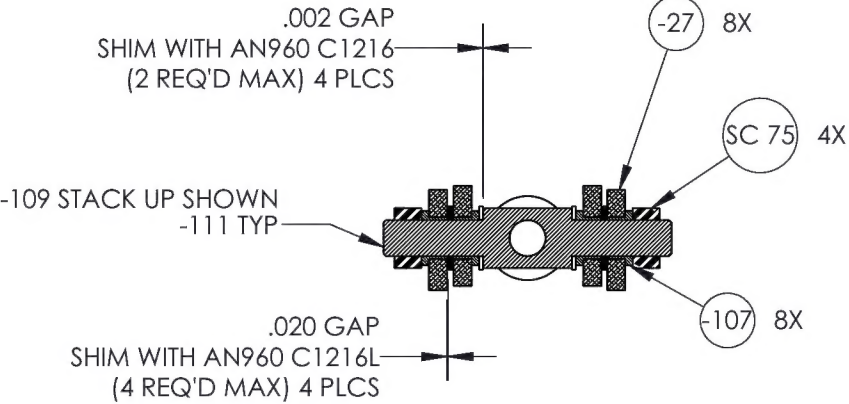
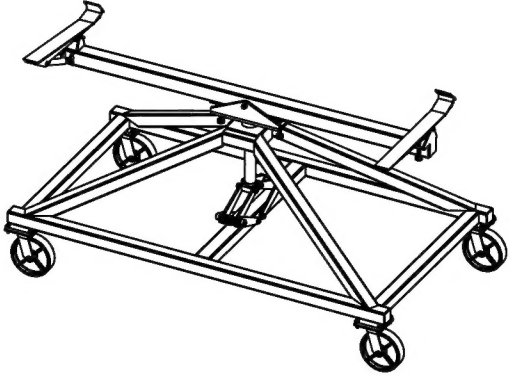
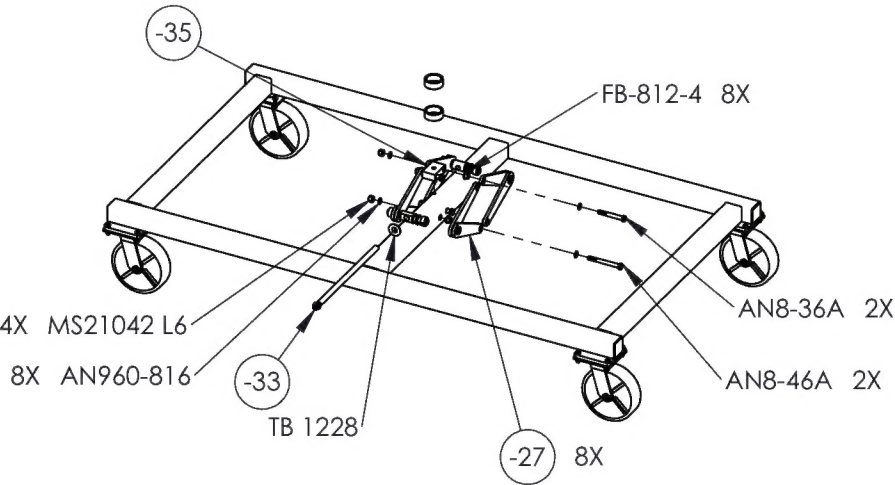
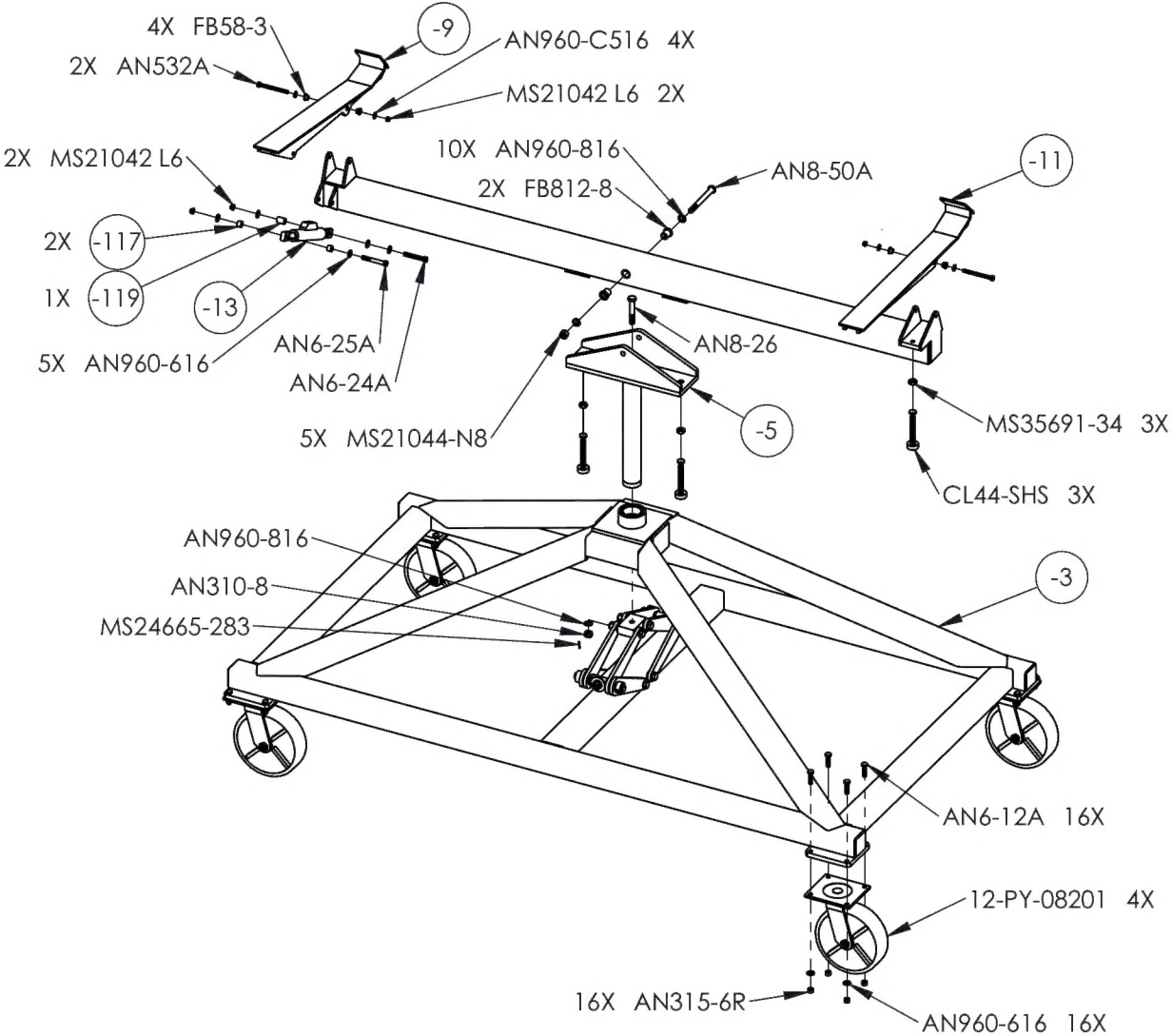


This drawing, specifications, and concepts contained here in are the sole property of Red Barn Machine, and may not be reproduced or used in any fashion without the prior written permission of Red Barn Machine.

REVISIONS				
REV	DESCRIPTION	DATE	INITIAL	APPROVED
B	REDRAWN FROM TATTERED ORIGINAL DRAWING	8/18/2011	JAG	



SECTION E-E  
SCALE 1 : 4

NOTE: USED ON BELL MODELS 204B, 205A1, 212, 214B, 214ST, 222, 222B, AND 222U.


RED BARN MACHINE			
TITLE BLADE SUPPORT ASSY - MAIN ROTOR			
DWG NO. RB T102018			REV B
MAT'L UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES .XXX ± .005 FRACTIONS ± 1/32 .XX ± .01 ANGLES ± .5° .X ± .1 1. BREAK ALL SHARP EDGES .015 x 45° OR .015R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING		DRAWN BY: GILBERT APPROVED <i>D Weil</i> HEAT TREAT FINISH SPEC USED ON MODEL SEE NOTE	
SCALE 1:26	DATE 8/18/2011	SHEET 1 OF 39	

This drawing, specifications, and concepts contained here in are the sole property of Red Barn Machine, and may not be reproduced or used in any fashion without the prior written permission of Red Barn Machine.

REVISIONS				
REV	DESCRIPTION	DATE	INITIAL	APPROVED
B	REDRAWN FROM TATTERED ORGINAL DRAWING	8/18/2011	JAG	

ASSY QTY -101	ASSY QTY -99	ASSY QTY -33	ASSY QTY -13	ASSY QTY -11	ASSY QTY -9	ASSY QTY -7	ASSY QTY -5	ASSY QTY -4	ASSY QTY -3	B/O	Part #	UNIT QTY	Description	Material	B/O INFORMATION OR SPECIFICATIONS	PG.
								X			-3	1	FRAME ASSY			3
							X		1		-4		FRAME WELDMENT			4
						X					-5	1	JACK HEAD ASSY			5
					X				1		-7		BEAM ASSY			6
				X					1		-9		NEST ASSY			7
			X						1		-11		NEST ASSY			8
											-13	1	TURNBUCKLE ASSY			9
									2		-15		SIDE	1018	2-1/2 X 2-1/2 X 1/8 WALL X 77-5/8	10
									4		-15A		CAP	1018	1/8 X 2-3/8 X 2-3/8	36
									2		-17		CROSS TUBE	1018	2-1/2 X 2-1/2 X 1/8 WALL X 37-5/8	10
									1		-17A		CROSS TUBE	1018	2-1/2 X 3 X 1/8 WALL X 37-5/8	10
									2		-19A		SUPPORT	1018	2-1/2 X 2-1/2 X 1/8 WALL X 41	11
									2		-19B		SUPPORT	1018	2-1/2 X 2-1/2 X 1/8 WALL X 41	11
									2		-21		TUBE	1018	2-1/2 X 3 X 1/8 WALL X 6-5/8	10
									1		-23		UPPER PLATE	1018	3/8 X 6-5/8 X 6-5/8	12
									1		-25		LOWER PLATE	1018	3/8 X 6 X 6-5/8	12
											-27	8	LINK	1018	3/8 X 2-1/8 X 9-1/8	13
		X									-33	1	SCREW WELDMENT			14
		1								B/O	-33A		FLANGE NUT	STEEL	7/16-14 MCMMASTER-CARR #91030A032	
		1									-33B		THREADED ROD	STEEL	3/4-6 ACME MCMMASTER-CARR #98940A307 (MODIFIED)	16
											-35	1	BLOCK	1018	1-1/8 X 2-1/8 X 3-1/8	17
			1								-37		STOP	4140	Ø1 X 5/8	18
							1				-39		TUBE	1018	Ø2 X 1/4 WALL X 14-1/2	19
							1				-41		BOTTOM PLATE	1018	1/2 X 4-1/2 X 14-1/8	20
							2				-43		SIDE PLATE	1018	1/4 x 4 x 14-1/8	21
							1				-45		END PLATE	1018	Ø2 X 1/2	21
								4			-47		MOUNTING PLATE	1018	1/2 X 5-1/8 X 5-5/8	22
								1			-49		BARREL	1018	Ø3 X 7/16 WALL X 6-1/8	22
					1						-51		BEAM	1018	3 X 3 X 1/4 WALL X 74-1/2	23
					1						-53		END PLATE	1018	1/4 X 5-1/4 X 5-7/8	24
					1						-55		END PLATE	1018	1/4 X	24
					1						-57		SLEEVE	1018	Ø1 X 7/32 WALL X 3-1/4	25
					1						-59		EAR	1018	1/4 X 3-1/8 X 5-1/4	26
					1						-61		EAR	1018	1/4 X 1-3/4 3-1/8	26
					1						-63		EAR	1018	1/4 X 3-1/8 X 3-1/8	26
					1						-65		PLATE	1018	1/2 X 2-3/8 X 5-1/4	27
					1						-67		PLATE	1018	1/4 X 2-3/8 X 3-1/8	27
					2						-69		VERTICAL PLATE	1018	5/16 X 3-1/16 X 26-7/8	28
			2								-71		VERTICAL PLATE	1018	5/16 3-1/4 X 26-7/8	29
			1	1							-73		PLATE	1018	3/16 X 3-1/8 X 23	30
			1	1							-75		PLATE	1018	5/16 X 3-1/8 X 3-5/16	30
				1							-77		PLATE	1018	3/16 X 3-1/8 X 3-1/8	30
				1							-79		PLATE	1018	5/16 X 1-1/8 X 3-1/8	31
			1								-81		PLATE	1018	5/16 X 3-1/8 X 3-1/4	31
			1								-83		PLATE	1018	5/16 X 1-3/8 X 3-1/8	31
			1								-85		STOP	1018	1/2 X 1-1/8 X 1-1/2	31
									2		-87		PAD	CHLORO PRENE	1/2 X 3 X 28-3/4	32
									2		-89		PAD	CHLORO PRENE	1/2 X 3 X 6-1/2	32
			1								-91		GRIP	1018	3/4 X 7/8 X 3-1/4	33
			1								-93		BARREL NUT	4140	Ø3/4 X 3/16 WALL X 1	34
			1								-95		BARREL	1018	Ø1-1/4 X 1/4 WALL X 7-5/8	33
			1								-97		BARREL NUT	4140	Ø3/4 X 3/16 WALL X 1	34
	X		1								-99		ROD ASSY			35
X			1								-101		ROD ASSY			35
1		1									-100A		ROD END	4140	Ø1 X 1-1/8	35
	1										-100B		ROD	STEEL	1/2-10 2G RH MCMMASTER-CARR #98935A718 (MODIFIED)	35
ASSY QTY -101	ASSY QTY -99	ASSY QTY -33	ASSY QTY -13	ASSY QTY -11	ASSY QTY -9	ASSY QTY -7	ASSY QTY -5	ASSY QTY -4	ASSY QTY -3							

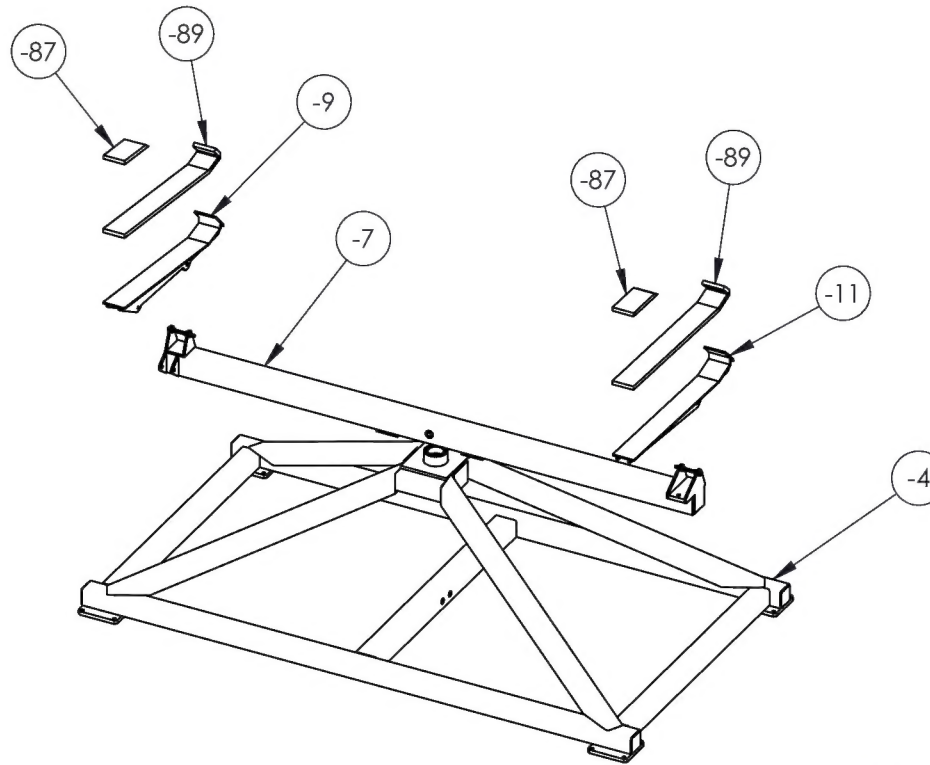
ASSY QTY -101	ASSY QTY -99	ASSY QTY -33	ASSY QTY -13	ASSY QTY -11	ASSY QTY -9	ASSY QTY -7	ASSY QTY -5	ASSY QTY -4	ASSY QTY -3	B/O	Part #	UNIT QTY	Description	Material	B/O INFORMATION OR SPECIFICATIONS	PG.
1											-102		ROD	STEEL	1/2-10 2G MCMaster-CARR #98935A417	35
						2					-103		STIFFNER	1018	3/16 X 3-1/8 X 3-1/8	36
								2			-105		SLEEVE	1018	Ø3/4 X 3-1/8	37
											-107	8	BEARING		BOSTON GEAR #FB 1214-6 (MODIFIED)	37
											-109	1	SCREW GUIDE	4140	Ø1-1/4 X 6-1/8	38
											-111	1	SCREW NUT	1018	Ø1-1/4 X 6-1/8	39
								2			-113		CLOSURE	1018	5/16 X 3 X 3-3/4	36
										B/O	-117	2	BUSHING	1018	Ø5/8 X 1/2	1
										B/O	-119	1	BUSHING	1018	Ø5/8 X 1	1
										B/O	-121	2	DOWEL PIN	STEEL	Ø1/8 X 1/2 MCMaster-CARR #98381A471	
										B/O	AN960 C516	2	WASHER 5/16	STEEL	AN960 C516	1
										B/O	AN960-C516	2	WASHER 5/16	S.S.	AN960-C516	1
										B/O	AN960-616	21	WASHER 3/8	STEEL	AN960-616	1
										B/O	AN960-816	1	FLAT WASHER 1/2	STEEL	AN960-816	1
										B/O	AN960-C816	10	FLAT WASHER 1/2	STEEL	AN960-C816	1
										B/O	AN6-12A	16	BOLT 3/8-24 X 1-5/16	STEEL	AN6-12A	1
										B/O	AN8-26	1	BOLT 1/2-20 X 2-7/8	STEEL	AN8-26	1
										B/O	AN8-36A	2	BOLT 1/2-20 X 3-7/8	STEEL	AN8-36A	1
										B/O	AN6-24A	1	BOLT 3/8-24 X 2-1/3	STEEL	AN6-24A	1
										B/O	AN6-25A	1	BOLT 3/8-24 X 2-3/4	STEEL	AN6-25A	1
										B/O	AN 315-6R	16	NUT 3/8-24	STEEL	AN 315-6R	1
										B/O	AN8-46A	2	BOLT 1/2-20 X 4-7/8	STEEL	AN8-46A	1
										B/O	AN8-50A	1	BOLT 1/2-20 X 5	STEEL	AN8-50A	1
										B/O	AN310-8	1	CASTLE NUT 1/2-20	STEEL	AN310-8	1
										B/O	12PI08201S-L-FBA	4	CASTER		12PI08201S-L-FBA	1
										B/O	SC 75	4	COLLAR	STEEL	SC 75	1
										B/O	FB-58-3	4	BUSHING		FB-58-3	1
										B/O	FB-812-8	2	BUSHING		FB-812-8	1
										B/O	FB-812-4	8	BUSHING		FB-812-4	1
										B/O	B3240-8	2	BEARING		B3240-8	1
										B/O	CL44-SHS	3	SWIVEL HEAD SCREW		CARR LANE CL44-SHS	1
										B/O	MS24665-283	1	COTTER PIN 3/32 X 3/4	STEEL	MS24665-283	1
										B/O	MS21042L5	2	NUT 5/16-24	STEEL	MS21042L5	1
										B/O	MS21044-N8	5	NUT 1/2-20	STEEL	MS21044-N8	1
										B/O	MS21042 L6	2	NUT 3/8-24	STEEL	MS21042 L6	1
										B/O	MS35691-34	3	1/2-13 NUT	STEEL	MS35691-34	1
			3							B/O	NAS1081-3A4		SET SCREW 10-32 X 1/4	STEEL	NAS1081-3A4	9

 <h1>RED BARN MACHINE</h1>		
TITLE <h2>BLADE SUPPORT ASSY - MAIN ROTOR</h2>		
DWG NO.		REV <b>B</b>
MAT'L		DRAWN BY: GILBERT
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES		APPROVED <i>D Weid</i>
.XXX ± .005      FRACTIONS ± 1/32 .XX ± .01      ANGLES ± .5° .X ± .1		REAT TREAT FINISH
1. BREAK ALL SHARP EDGES .015 x .45" OR .015R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING		SPEC
		USED ON MODEL
		SEE NOTE
SCALE 1:24	DATE 8/18/2011	SHEET 2 OF 39




This drawing, specifications, and concepts contained here in are the sole property of Red Barn Machine, and may not be reproduced or used in any fashion without the prior written permission of Red Barn Machine.

REVISIONS				
REV	DESCRIPTION	DATE	INITIAL	APPROVED
B	REDRAWN FROM TATTERED ORIGINAL DRAWING	8/18/2011	JAG	



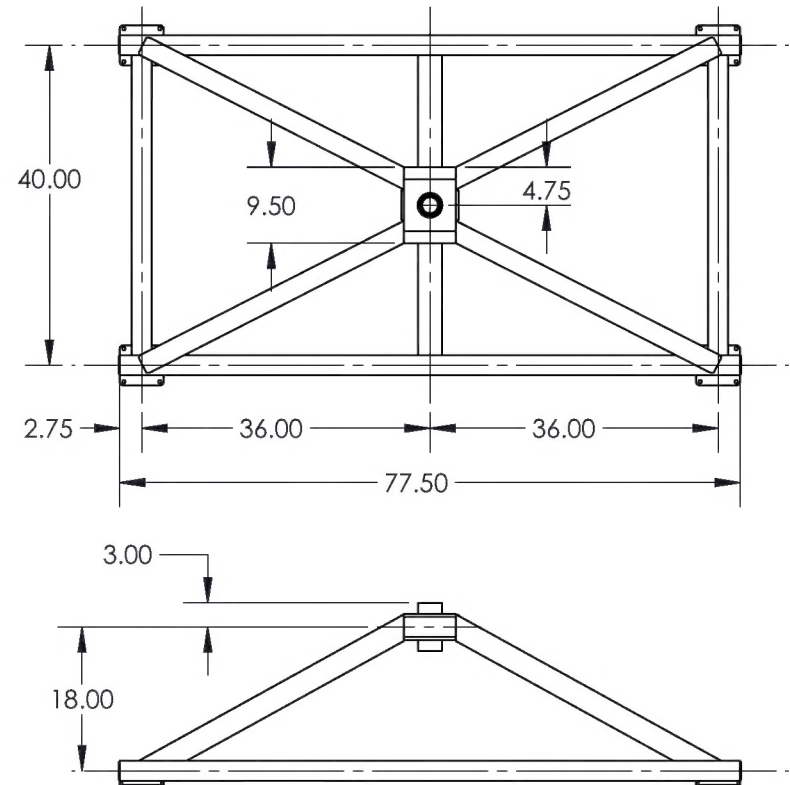
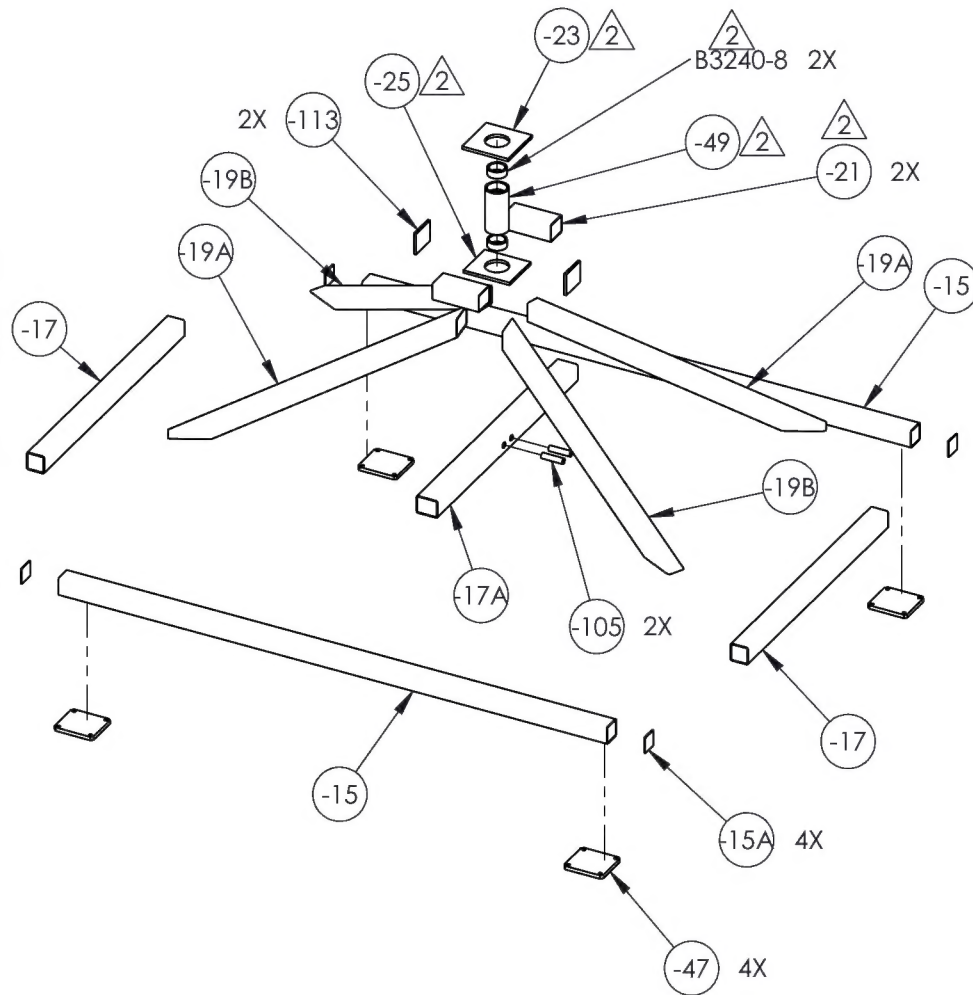
(-3)  
FRAME ASSY

NOTE: USE ADHESIVE TO ATTACH 4 PADS TO 2 NEST ASSY. USE ADHESIVE PER 299-947-107 TYPE I CLASS I

 <b>RED BARN MACHINE</b>	
<b>TITLE</b> BLADE SUPPORT ASSY - MAIN ROTOR	
<b>DWG NO.</b> RB T102018-3	<b>REV</b> <b>B</b>
<b>MAT'L</b> UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES .XXX ± .005 FRACTIONS ± 1/32 .XX ± .01 ANGLES ± 5° .X ± .1	<b>DRAWN BY:</b> GILBERT <b>APPROVED</b> <i>D Weil</i> <b>HEAT TREAT</b> <b>FINISH</b> <b>SPEC</b> 1. BREAK ALL SHARP EDGES .015 x 45° OR .015R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING
<b>USED ON MODEL</b> BELL	
<b>SCALE</b> 1:24	<b>DATE</b> 8/18/2011
<b>SHEET 3 OF 39</b>	

This drawing, specifications, and concepts contained here in are the sole property of Red Barn Machine, and may not be reproduced or used in any fashion without the prior written permission of Red Barn Machine.

REVISIONS				
REV	DESCRIPTION	DATE	INITIAL	APPROVED
B	REDRAWN FROM TATTERED ORIGINAL DRAWING	8/18/2011	JAG	



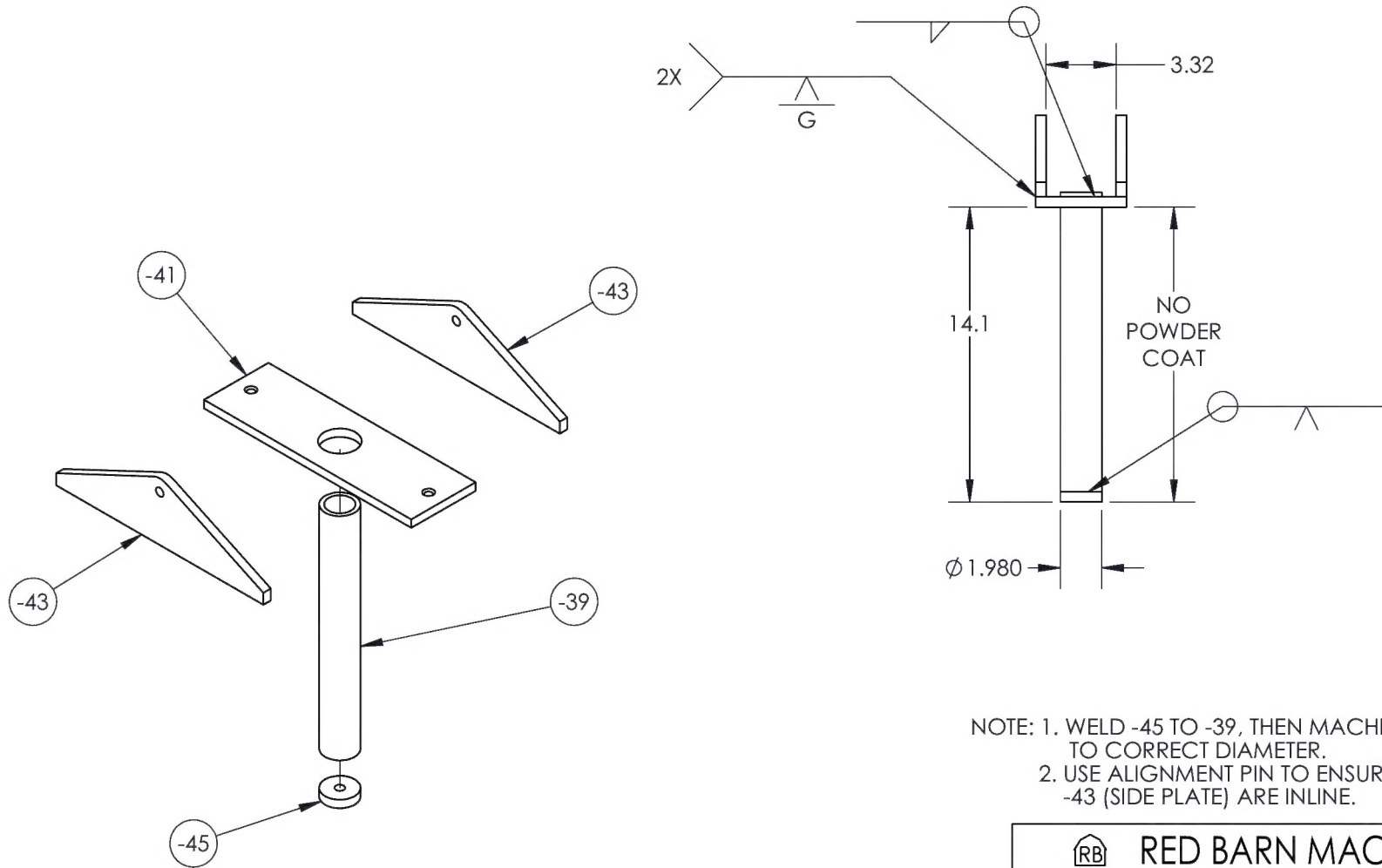
- NOTE: 1. FILLET WELD ALL JOINTS COMPLETE.  
2. WELD PARTS -49, -21, -23, & -25 TOGETHER. PRESS TWO BEARINGS B3240-8 INTO ASSEMBLY, THEN BORE FOR A S.F. FOR -5 JACK HEAD ASSY.

(-4)  
FRAME WELDMENT

<b>RED BARN MACHINE</b>	
TITLE <b>BLADE SUPPORT ASSY - MAIN ROTOR</b>	
DWG NO. <b>RB T102018-4</b>	REV <b>B</b>
MAT'L	DRAWN BY: <b>GILBERT</b>
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	APPROVED <i>D Weil</i>
.XXX ± .005 FRACTIONS ± 1/32	HEAT TREAT
.XX ± .01 ANGLES ± 5°	FINISH POWDER COAT YELLOW
.X ± .1	SPEC FED #13538
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R	USED ON MODEL
2. DIMENSIONAL LIMITS APPLY AFTER PLATING	BELL
SCALE 1:24	DATE 8/18/2011
SHEET 4 OF 39	

This drawing, specifications, and concepts contained here in are the sole property of Red Barn Machine, and may not be reproduced or used in any fashion without the prior written permission of Red Barn Machine.

REVISIONS				
REV	DESCRIPTION	DATE	INITIAL	APPROVED
B	REDRAWN FROM TATTERED ORIGINAL DRAWING	8/18/2011	JAG	



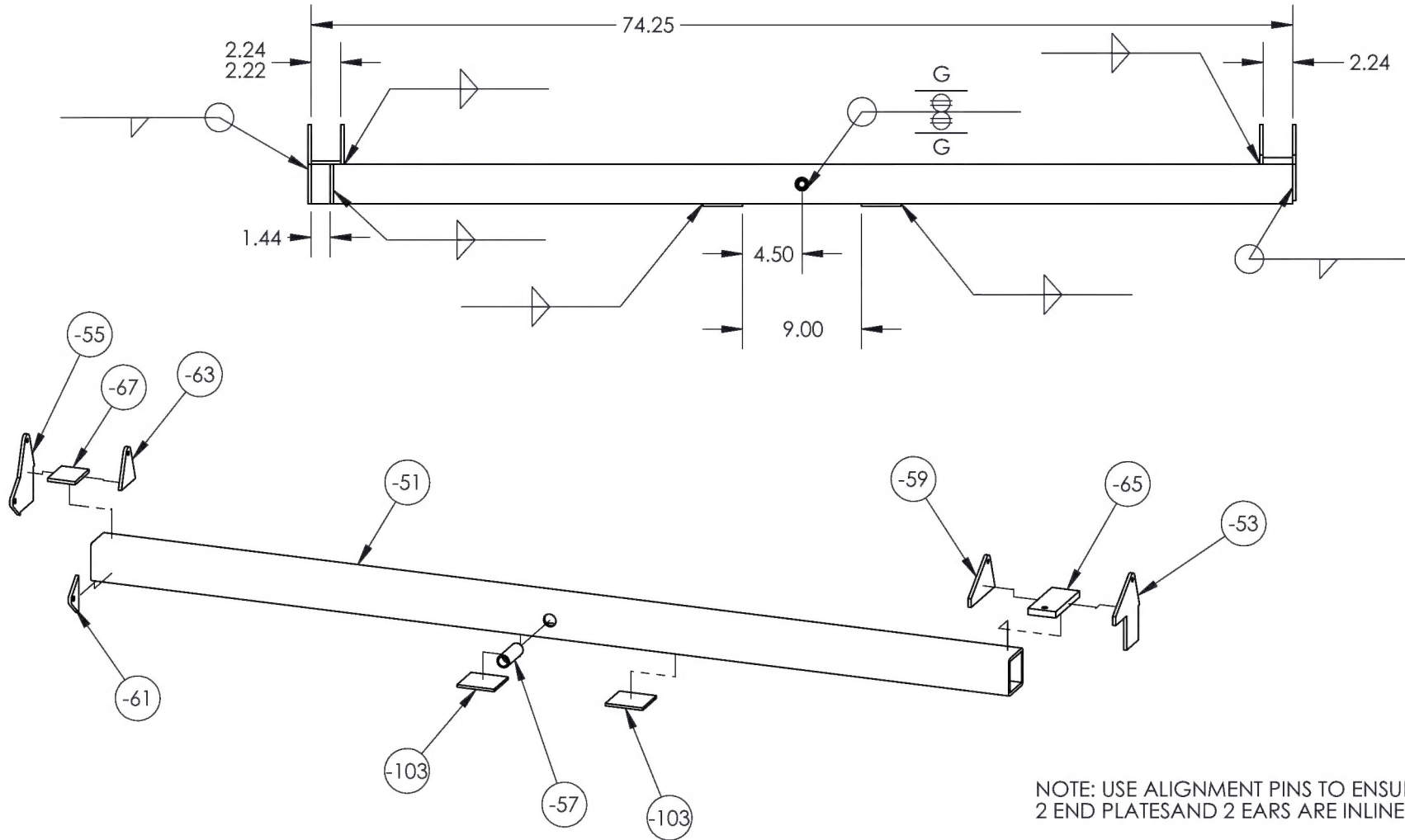
NOTE: 1. WELD -45 TO -39, THEN MACHINE ASSEMBLY TO CORRECT DIAMETER.  
2. USE ALIGNMENT PIN TO ENSURE 2 HOLES IN -43 (SIDE PLATE) ARE INLINE.

(5)  
JACK HEAD ASSY

<b>RED BARN MACHINE</b>	
TITLE <b>BLADE SUPPORT ASSY - MAIN ROTOR</b>	
DWG NO. <b>RB T102018-5</b>	REV <b>B</b>
MAT'L	DRAWN BY: <b>GILBERT</b>
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES .XXX ± .005 FRACTIONS ± 1/32 .XX ± .01 ANGLES ± 5° .X ± .1	APPROVED <i>D Weil</i>
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING	HEAT TREAT FINISH POWDER COAT YELLOW
	SPEC FED #13538
	USED ON MODEL <b>BELL</b>
SCALE <b>1:8</b>	DATE <b>8/18/2011</b>
	SHEET 5 OF 39

This drawing, specifications, and concepts contained here in are the sole property of Red Barn Machine, and may not be reproduced or used in any fashion without the prior written permission of Red Barn Machine.

REVISIONS				
REV	DESCRIPTION	DATE	INITIAL	APPROVED
B	REDRAWN FROM TATTERED ORIGINAL DRAWING	8/18/2011	JAG	



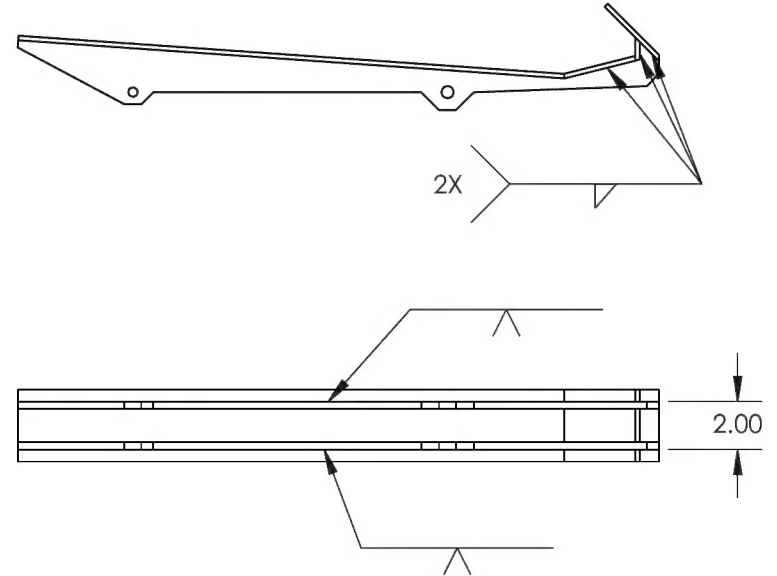
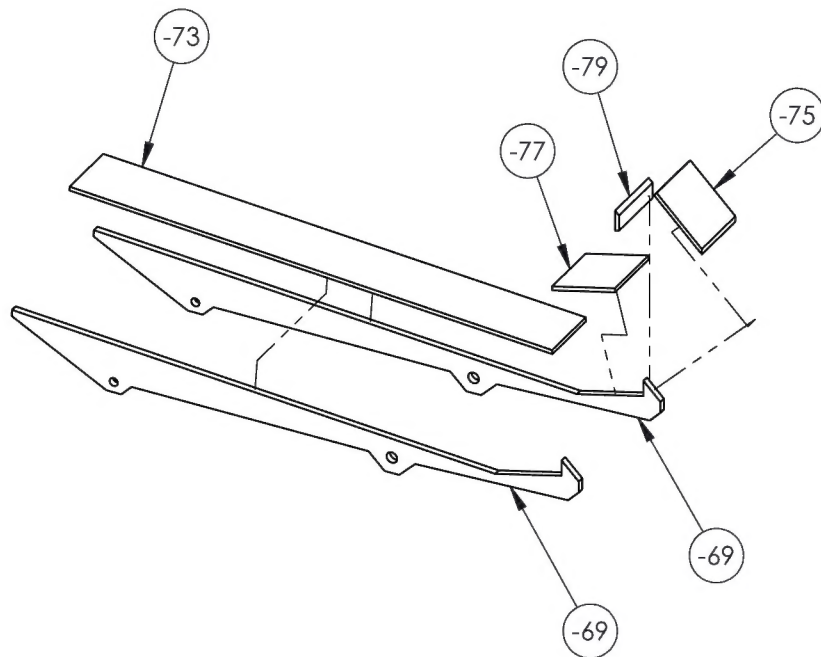
NOTE: USE ALIGNMENT PINS TO ENSURE HOLES IN 2 END PLATES AND 2 EARS ARE IN LINE.

<b>RED BARN MACHINE</b>	
TITLE <b>BLADE SUPPORT ASSY - MAIN ROTOR</b>	
DWG NO. <b>RB T102018-7</b>	REV <b>B</b>
MAT'L	DRAWN BY: <b>GILBERT</b>
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	APPROVED <i>D Weil</i>
.XXX ± .005 FRACTIONS ± 1/32	HEAT TREAT
.XX ± .01 ANGLES ± 5°	FINISH POWDER COAT YELLOW
.X ± .1	SPEC FED #13538
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R	USED ON MODEL
2. DIMENSIONAL LIMITS APPLY AFTER PLATING	BELL
SCALE 1:12	DATE 8/18/2011
SHEET 6 OF 39	

(-7)  
BEAM ASSY

This drawing, specifications, and concepts contained here in are the sole property of Red Barn Machine, and may not be reproduced or used in any fashion without the prior written permission of Red Barn Machine.

REVISIONS				
REV	DESCRIPTION	DATE	INITIAL	APPROVED
B	REDRAWN FROM TATTERED ORIGINAL DRAWING	8/18/2011	JAG	



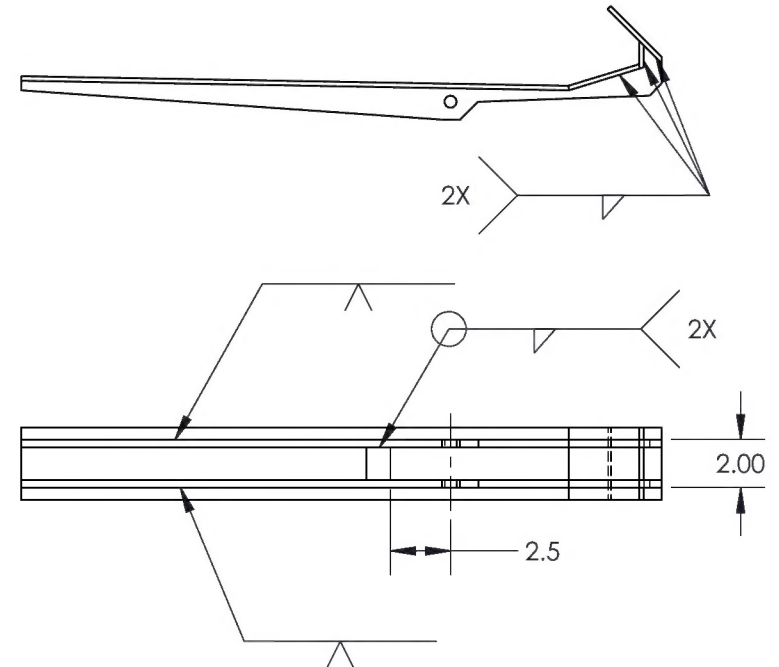
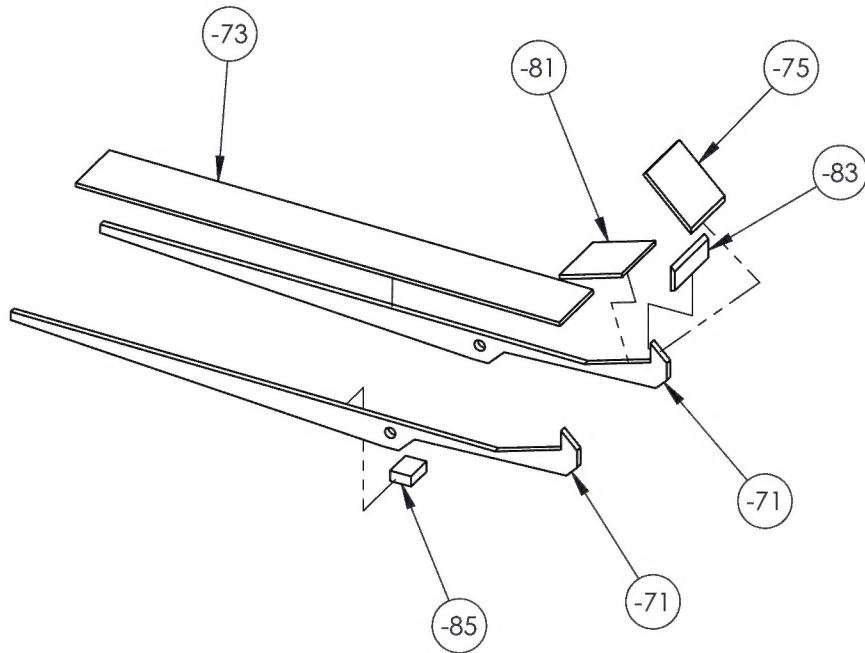
NOTE: USE ALIGNMENT PINS TO ENSURE 2 HOLES IN 2 -69 PLATES ARE INLINE.

-9  
NEST ASSY

<b>RED BARN MACHINE</b>	
<b>TITLE</b> BLADE SUPPORT ASSY - MAIN ROTOR	
<b>DWG NO.</b> RB T102018-9	<b>REV</b> B
<b>MAT'L</b> UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES .XXX ± .005 .XX ± .01 .X ± .1 FRACTIONS ± 1/32 ANGLES ± 5° 1. BREAK ALL SHARP EDGES .015 x 45° OR .015R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING	<b>DRAWN BY:</b> GILBERT <b>APPROVED</b> <i>D Weil</i> <b>HEAT TREAT</b> FINISH POWDER COAT YELLOW <b>SPEC</b> FED #13538 <b>USED ON MODEL</b> BELL
<b>SCALE</b> 1:8	<b>DATE</b> 8/18/2011
<b>SHEET 7 OF 39</b>	

This drawing, specifications, and concepts contained here in are the sole property of Red Barn Machine, and may not be reproduced or used in any fashion without the prior written permission of Red Barn Machine.

REVISIONS				
REV	DESCRIPTION	DATE	INITIAL	APPROVED
B	REDRAWN FROM TATTERED ORIGNAL DRAWING	8/18/2011	JAG	



NOTE: USE ALIGNMENT PIN TO ENSURE HOLES IN 2 PLATES -71 ARE INLINE.

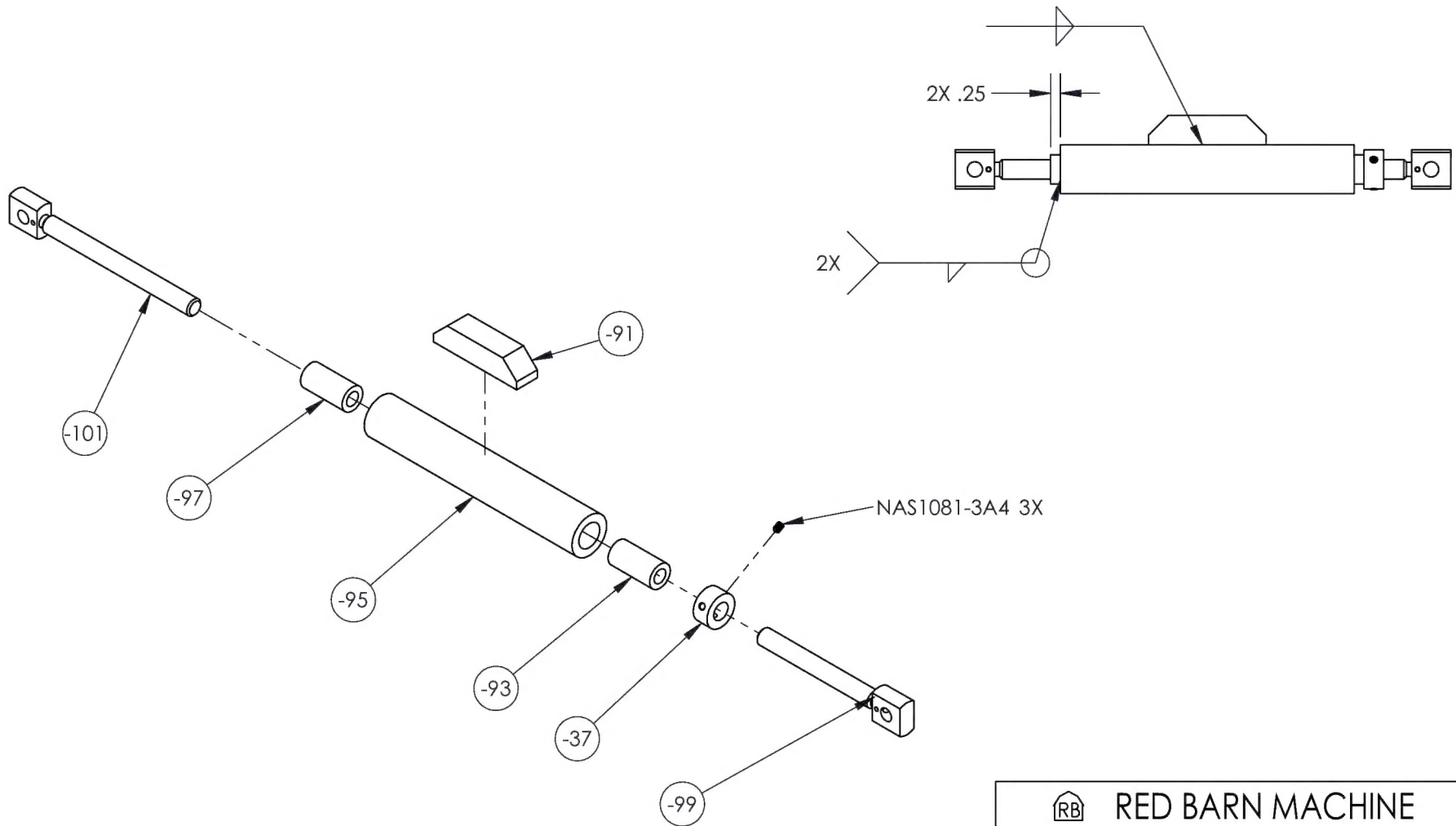
(11)  
NEST ASSY

<b>RED BARN MACHINE</b>	
TITLE <b>BLADE SUPPORT ASSY - MAIN ROTOR</b>	
DWG NO. <b>RB T102018-11</b>	REV <b>B</b>
MAT'L UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES .XXX ± .005 FRACTIONS ± 1/32 .XX ± .01 ANGLES ± 5° .X ± .1	DRAWN BY: <b>GILBERT</b> APPROVED <i>D Weil</i> HEAT TREAT FINISH POWDER COAT YELLOW SPEC FED #13538 USED ON MODEL BELL
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING	
SCALE 1:8	DATE 8/18/2011
SHEET 8 OF 39	



This drawing, specifications, and concepts contained here in are the sole property of Red Barn Machine, and may not be reproduced or used in any fashion without the prior written permission of Red Barn Machine.

REVISIONS				
REV	DESCRIPTION	DATE	INITIAL	APPROVED
B	REDRAWN FROM TATTERED ORIGINAL DRAWING	8/18/2011	JAG	

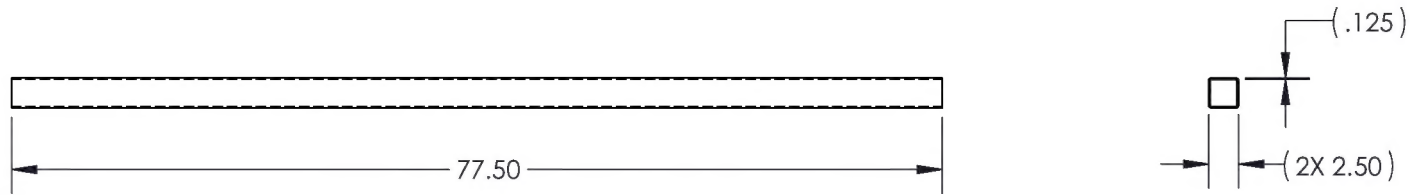


-13  
TURNBUCKLE ASSY

<b>RED BARN MACHINE</b>	
TITLE <b>BLADE SUPPORT ASSY - MAIN ROTOR</b>	
DWG NO. <b>RB T102018-13</b>	REV <b>B</b>
MAT'L	DRAWN BY: <b>GILBERT</b>
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	APPROVED <i>D Weil</i>
.XXX ± .005 FRACTIONS ± 1/32	HEAT TREAT
.XX ± .01 ANGLES ± 5°	FINISH POWDER COAT YELLOW
.X ± .1	SPEC FED #13538
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R	USED ON MODEL
2. DIMENSIONAL LIMITS APPLY AFTER PLATING	BELL
SCALE 1:4	DATE 8/18/2011
SHEET 9 OF 39	

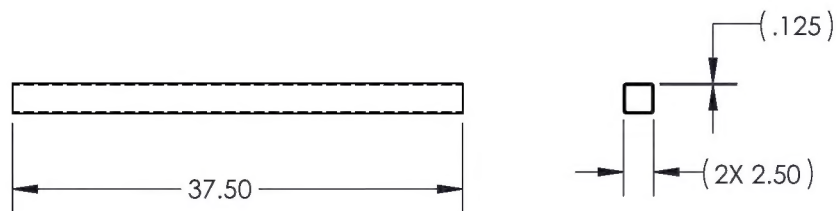
This drawing, specifications, and concepts contained here in are the sole property of Red Barn Machine, and may not be reproduced or used in any fashion without the prior written permission of Red Barn Machine.

REVISIONS				
REV	DESCRIPTION	DATE	INITIAL	APPROVED
B	REDRAWN FROM TATTERED ORIGINAL DRAWING	8/18/2011	JAG	



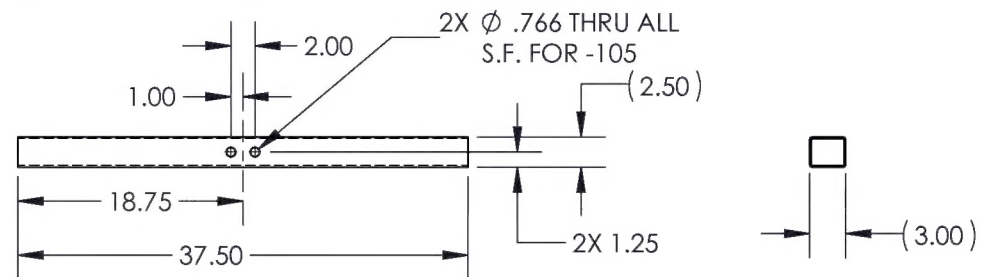
(-15)

SIDE TUBE



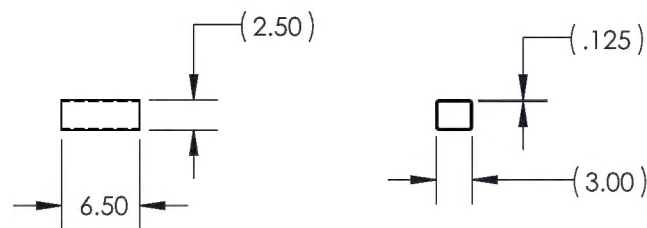
(-17)

CROSS TUBE



(-17A)

CROSS TUBE



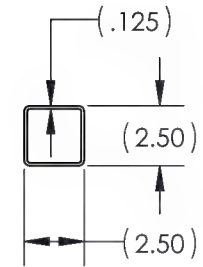
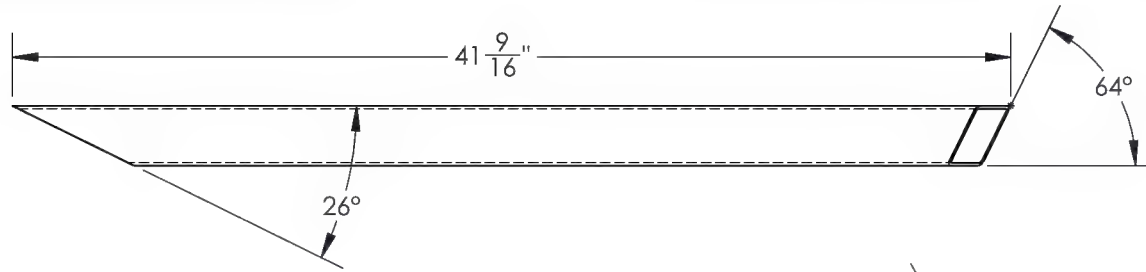
(-21)

TUBE

<b>RED BARN MACHINE</b>	
TITLE <b>BLADE SUPPORT ASSY - MAIN ROTOR</b>	
DWG NO. <b>RB T102018-15, -17, &amp; -21</b>	REV <b>B</b>
MAT'L 1018	DRAWN BY: <b>GILBERT</b>
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES .XXX ± .005 FRACTIONS ± 1/32 .XX ± .01 ANGLES ± 5° .X ± .1	APPROVED <i>D Weil</i>
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R	HEAT TREAT
2. DIMENSIONAL LIMITS APPLY AFTER PLATING	FINISH
	SPEC
	USED ON MODEL
	BELL
SCALE 1:16	DATE 8/18/2011
SHEET 10 OF 39	

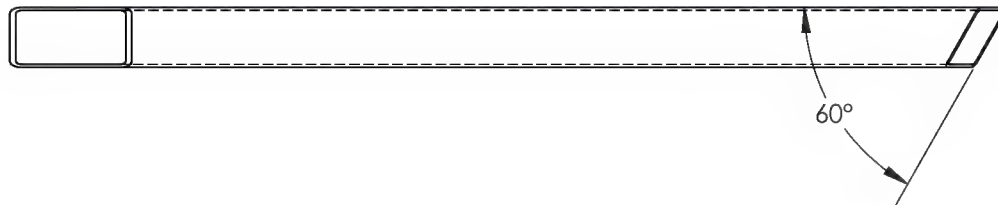
This drawing, specifications, and concepts contained here in are the sole property of Red Barn Machine, and may not be reproduced or used in any fashion without the prior written permission of Red Barn Machine

REVISIONS				
REV	DESCRIPTION	DATE	INITIAL	APPROVED
B	REDRAWN FROM TATTERED ORIGINAL DRAWING	8/18/2011	JAG	



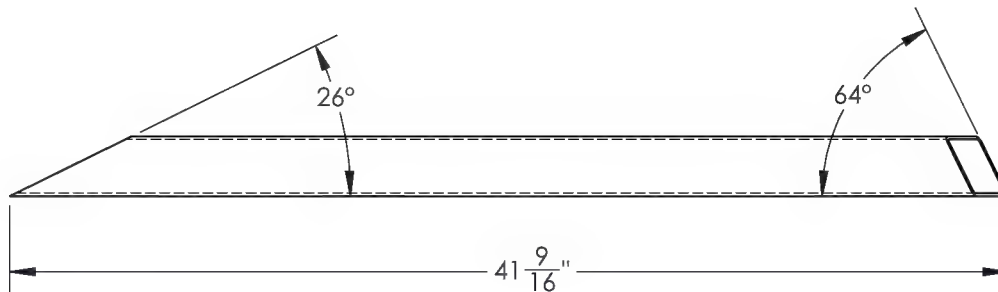
-19A


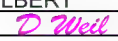
SUPPORT



-19B

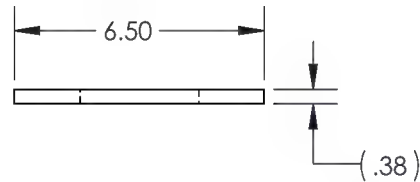
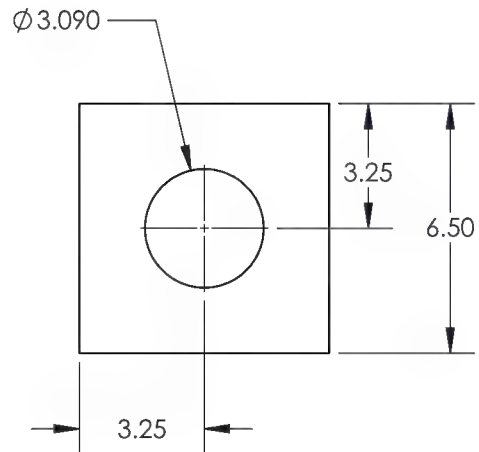
SUPPORT



 <b>RED BARN MACHINE</b>	
<b>TITLE</b> BLADE SUPPORT ASSY - MAIN ROTOR	
<b>DWG NO.</b> RB T102018-19A, -19B	<b>REV</b> <b>B</b>
<b>MAT'L</b> 1018	<b>DRAWN BY:</b> GILBERT
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES .XXX ± .005 .XX ± .01 .X ± .1 FRACTIONS ± 1/32 ANGLES ± 5°	<b>APPROVED</b> 
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING	<b>HEAT TREAT</b> <b>FINISH</b> <b>SPEC</b> USED ON MODEL BELL
<b>SCALE</b> 1:8	<b>DATE</b> 8/18/2011
SHEET 11 OF 39	

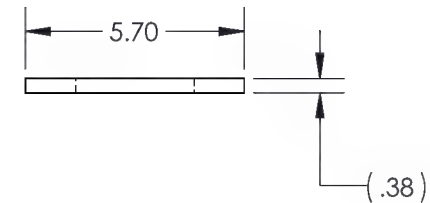
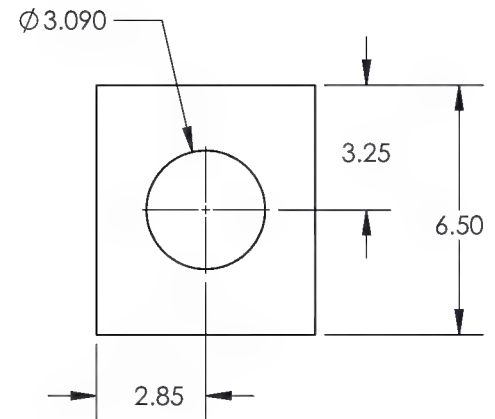
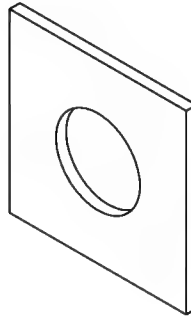
This drawing, specifications, and concepts contained here in are the sole property of Red Barn Machine, and may not be reproduced or used in any fashion without the prior written permission of Red Barn Machine.

REVISIONS				
REV	DESCRIPTION	DATE	INITIAL	APPROVED
B	REDRAWN FROM TATTERED ORGINAL DRAWING	8/18/2011	JAG	



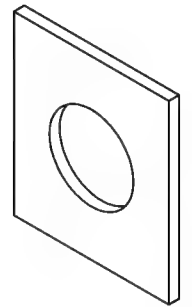
(-23)

UPPER PLATE



(-25)

LOWER PLATE

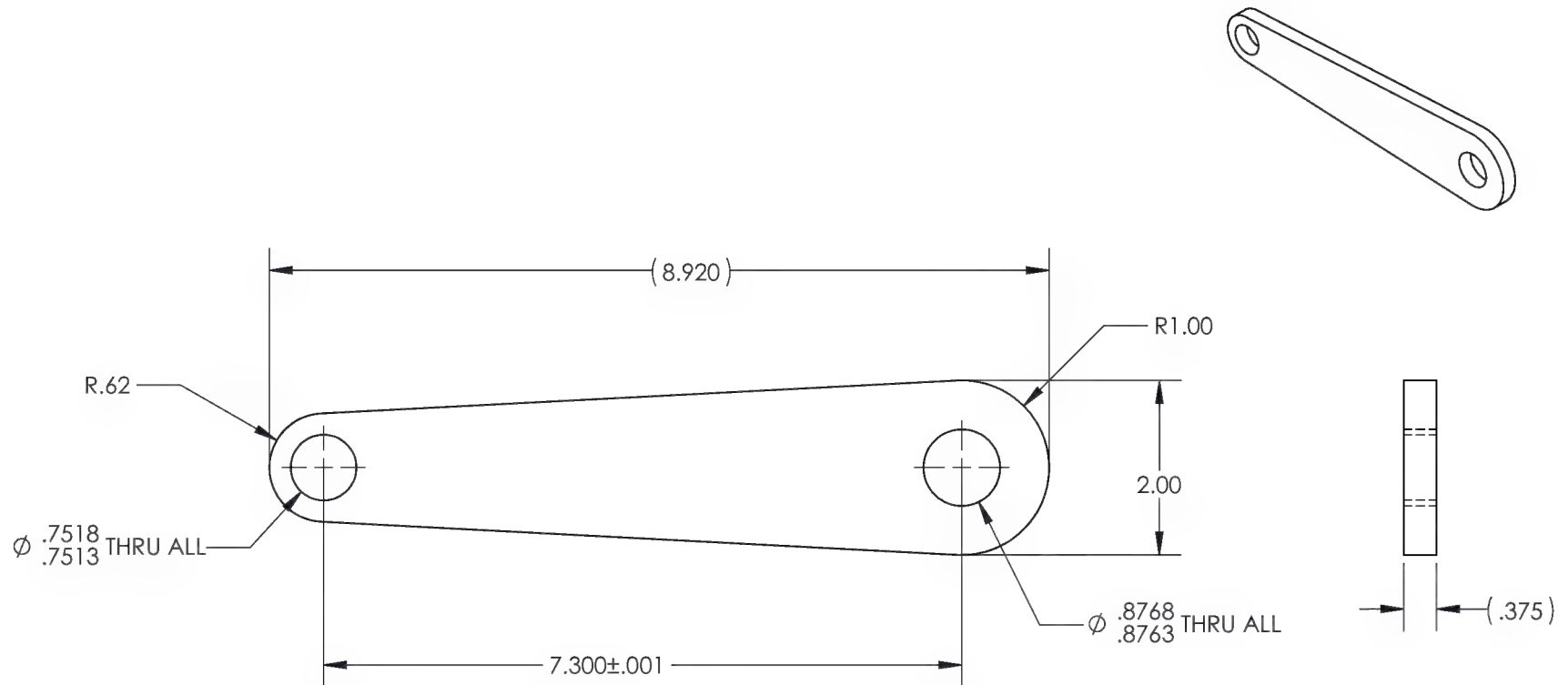


<b>RED BARN MACHINE</b>	
TITLE <b>BLADE SUPPORT ASSY - MAIN ROTOR</b>	
DWG NO. <b>RB T102018-23, &amp; -25</b>	REV <b>B</b>
MAT'L 1018	DRAWN BY: <b>GILBERT</b>
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	
.XXX ± .005 FRACTIONS ± 1/32	
.XX ± .01 ANGLES ± 5°	
.X ± .1	
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R	
2. DIMENSIONAL LIMITS APPLY AFTER PLATING	
APPROVED <i>D Weil</i>	
HEAT TREAT	
FINISH	
SPEC	
USED ON MODEL	
BELL	
SCALE 1:5	DATE 8/18/2011
SHEET 12 OF 39	



This drawing, specifications, and concepts contained here in are the sole property of Red Barn Machine, and may not be reproduced or used in any fashion without the prior written permission of Red Barn Machine.

REVISIONS				
REV	DESCRIPTION	DATE	INITIAL	APPROVED
B	REDRAWN FROM TATTERED ORIGINAL DRAWING	8/18/2011	JAG	



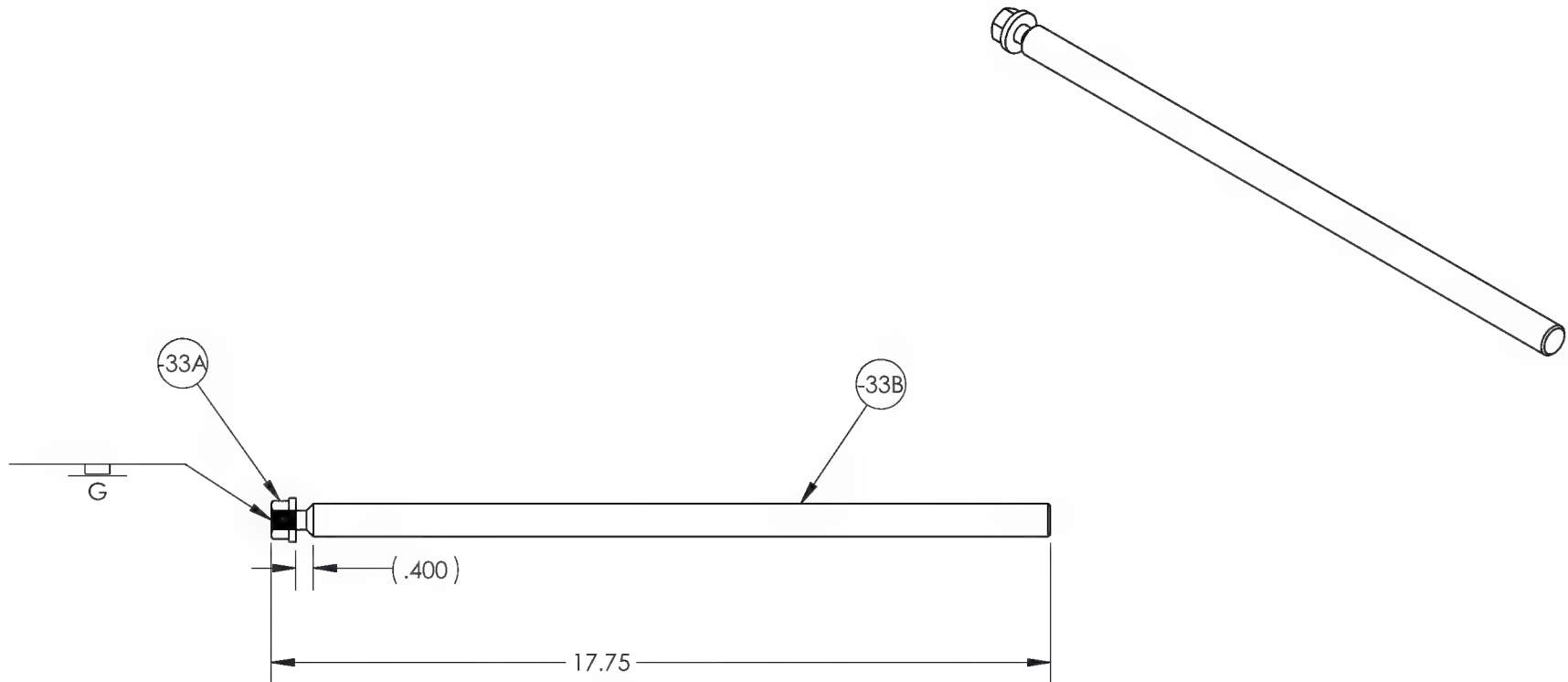
(-27)

LINK


<b>RED BARN MACHINE</b>	
<b>TITLE</b> BLADE SUPPORT ASSY - MAIN ROTOR	
<b>DWG NO.</b> RB T102018-27	<b>REV</b> B
<b>MAT'L</b> 1018	<b>DRAWN BY:</b> GILBERT
<b>UNLESS OTHERWISE SPECIFIED</b> DIMENSIONS ARE IN INCHES .XXX ± .005      FRACTIONS ± 1/32 .XX ± .01      ANGLES ± 5° .X ± .1	
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING	
<b>APPROVED</b> <i>D Weil</i> <b>HEAT TREAT</b> FINISH POWDER COAT YELLOW <b>SPEC</b> FED #13538 USED ON MODEL BELL	
<b>SCALE</b> 1:2	<b>DATE</b> 8/18/2011
<b>SHEET 13 OF 39</b>	

This drawing, specifications, and concepts contained here in are the sole property of Red Barn Machine, and may not be reproduced or used in any fashion without the prior written permission of Red Barn Machine

REVISIONS				
REV	DESCRIPTION	DATE	INITIAL	APPROVED
B	REDRAWN FROM TATTERED ORIGINAL DRAWING	8/18/2011	JAG	

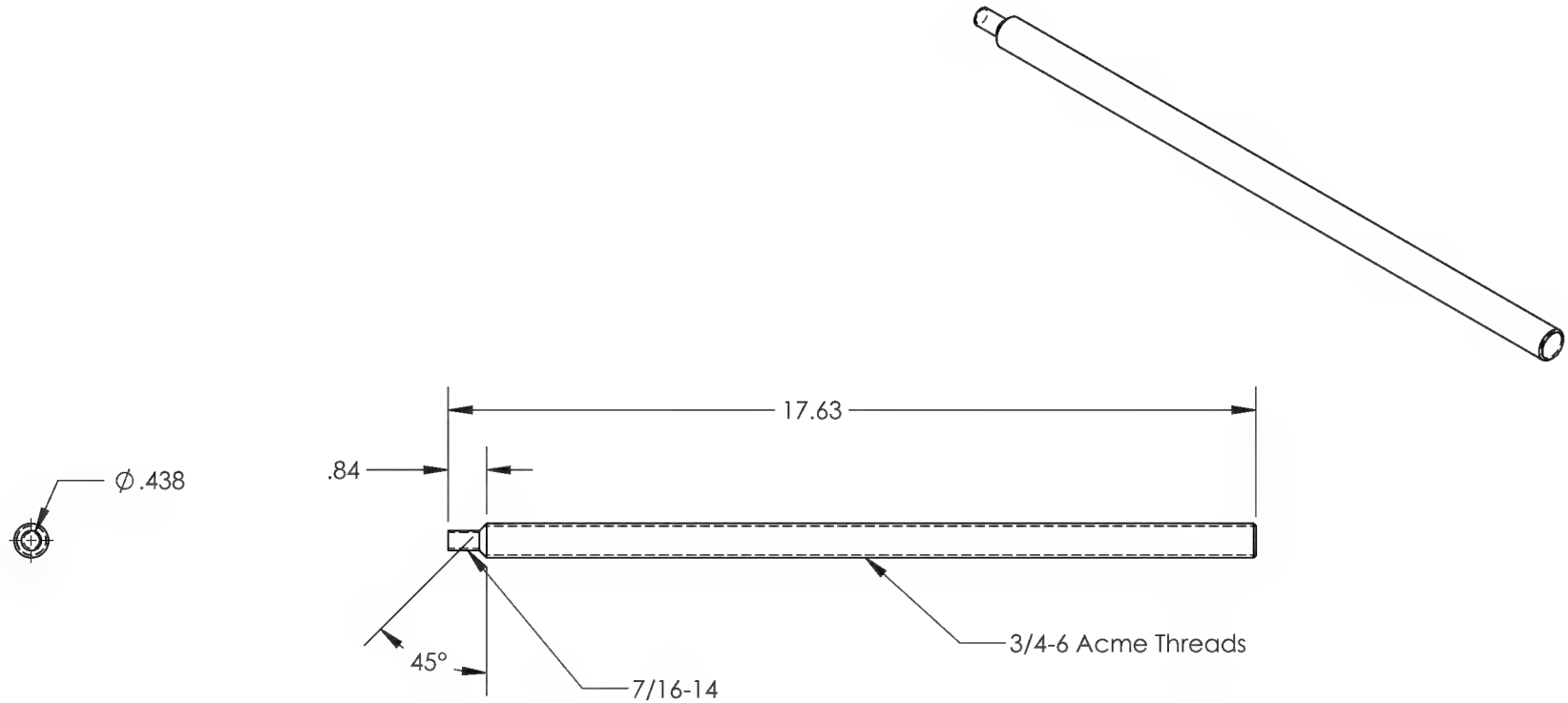


-33  
SCREW WELDMENT

 <b>RED BARN MACHINE</b>	
<b>TITLE</b> BLADE SUPPORT ASSY - MAIN ROTOR	
<b>DWG NO.</b> RB T102018-33	<b>REV</b> <b>B</b>
<b>MAT'L</b> UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES .XXX ± .005 .XX ± .01 .X ± .1 FRACTIONS ± 1/32 ANGLES ± 5°	<b>DRAWN BY:</b> GILBERT <b>APPROVED</b> <i>D Weil</i> <b>HEAT TREAT</b> <b>FINISH</b> <b>SPEC</b> 1. BREAK ALL SHARP EDGES .015 x 45° OR .015R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING
<b>USED ON MODEL</b> BELL	
<b>SCALE</b> 1:4	<b>DATE</b> 8/18/2011
<b>SHEET 14 OF 39</b>	


This drawing, specifications, and concepts contained here in are the sole property of Red Barn Machine, and may not be reproduced or used in any fashion without the prior written permission of Red Barn Machine

REVISIONS				
REV	DESCRIPTION	DATE	INITIAL	APPROVED
B	REDRAWN FROM TATTERED ORIGINAL DRAWING	8/18/2011	JAG	



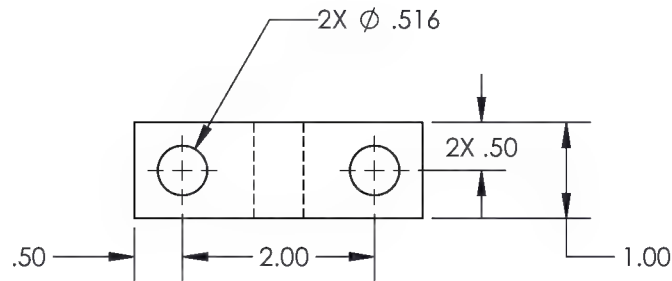
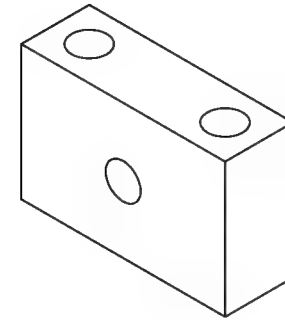
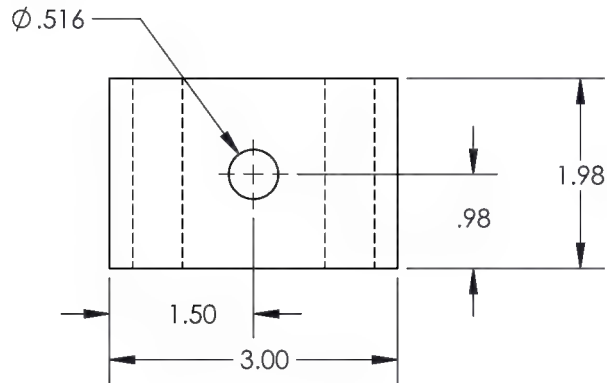
(-34B)

STUD

 <b>RED BARN MACHINE</b>	
<b>TITLE</b> BLADE SUPPORT ASSY - MAIN ROTOR	
<b>DWG NO.</b> RB T102018-33B	<b>REV</b> B
<b>MAT'L</b> STEEL	<b>DRAWN BY:</b> GILBERT
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES .XXX ± .005      FRACTIONS ± 1/32 .XX ± .01      ANGLES ± 5° .X ± .1	<b>APPROVED</b> <i>D Weil</i> <b>HEAT TREAT</b> <b>FINISH</b> <b>SPEC</b>
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING	<b>USED ON MODEL</b> BELL
<b>SCALE</b> 1:4	<b>DATE</b> 8/18/2011
<b>SHEET 15 OF 39</b>	


This drawing, specifications, and concepts contained here in are the sole property of Red Barn Machine, and may not be reproduced or used in any fashion without the prior written permission of Red Barn Machine

REVISIONS				
REV	DESCRIPTION	DATE	INITIAL	APPROVED
B	REDRAWN FROM TATTERED ORIGINAL DRAWING	8/18/2011	JAG	



(-35)

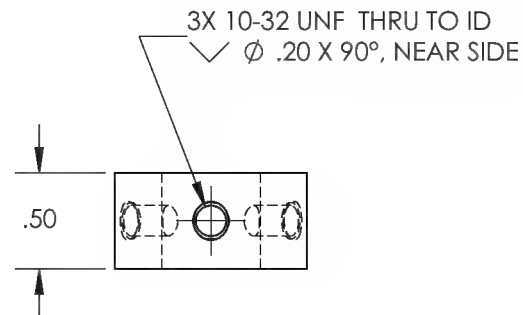
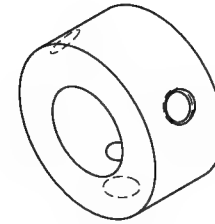
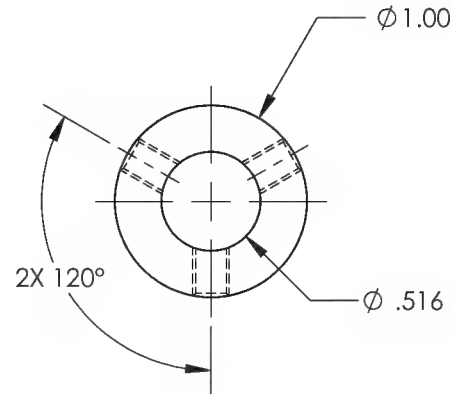
BLOCK

 <b>RED BARN MACHINE</b>	
<b>TITLE</b> BLADE SUPPORT ASSY - MAIN ROTOR	
<b>DWG NO.</b> RB T102018-35	<b>REV</b> <b>B</b>
<b>MAT'L</b> 1018	<b>DRAWN BY:</b> GILBERT
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	
.XXX ± .005 .XX ± .01 .X ± .1	FRACTIONS ± 1/32 ANGLES ± 5°
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING	
<b>APPROVED</b> <i>D Weil</i>	
<b>HEAT TREAT</b> POWDER COAT YELLOW	
<b>SPEC</b> FED #13538	
<b>USED ON MODEL</b>	
<b>BELL</b>	
<b>SCALE</b> 1:2	<b>DATE</b> 8/18/2011
<b>SHEET 16 OF 39</b>	




This drawing, specifications, and concepts contained here in are the sole property of Red Barn Machine, and may not be reproduced or used in any fashion without the prior written permission of Red Barn Machine

REVISIONS				
REV	DESCRIPTION	DATE	INITIAL	APPROVED
B	REDRAWN FROM TATTERED ORGINAL DRAWING	8/18/2011	JAG	

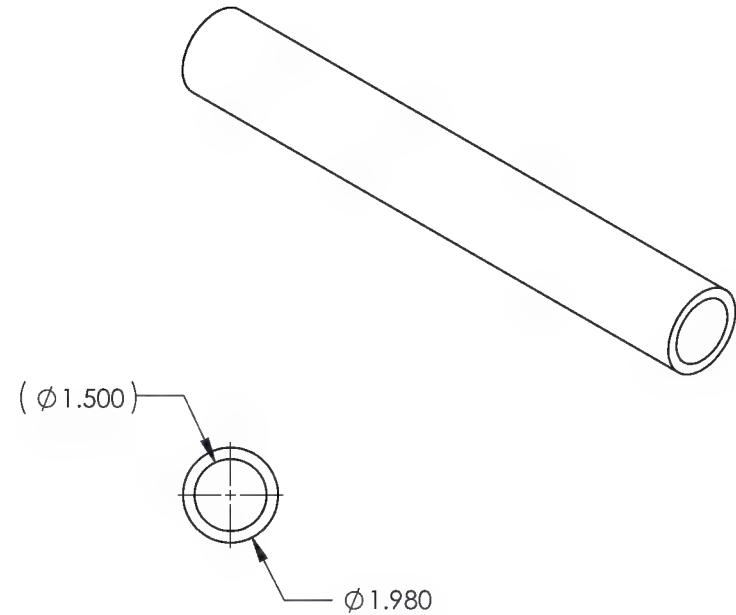
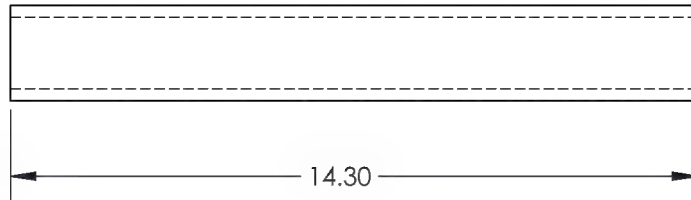


(-37)  
STOP

 <b>RED BARN MACHINE</b>	
<b>TITLE</b> BLADE SUPPORT ASSY - MAIN ROTOR	
<b>DWG NO.</b> RB T102018-37	<b>REV</b> <b>B</b>
<b>MAT'L</b> 4140	<b>DRAWN BY:</b> GILBERT
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES .XXX ± .005      FRACTIONS ± 1/32 .XX ± .01        ANGLES ± 5° .X ± .1	<b>APPROVED</b> <i>D Weil</i> <b>HEAT TREAT</b> <b>FINISH</b> <b>SPEC</b>
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING	<b>USED ON MODEL</b> BELL
<b>SCALE</b> 1:1	<b>DATE</b> 8/18/2011
<b>SHEET 17 OF 39</b>	


This drawing, specifications, and concepts contained here in are the sole property of Red Barn Machine, and may not be reproduced or used in any fashion without the prior written permission of Red Barn Machine

REVISIONS				
REV	DESCRIPTION	DATE	INITIAL	APPROVED
B	REDRAWN FROM TATTERED ORIGINAL DRAWING	8/18/2011	JAG	



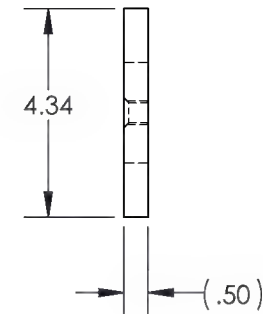
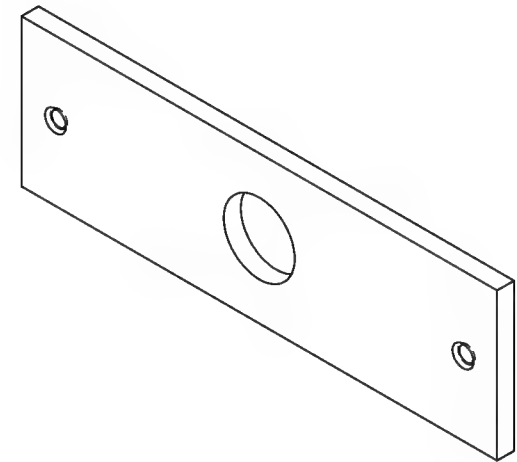
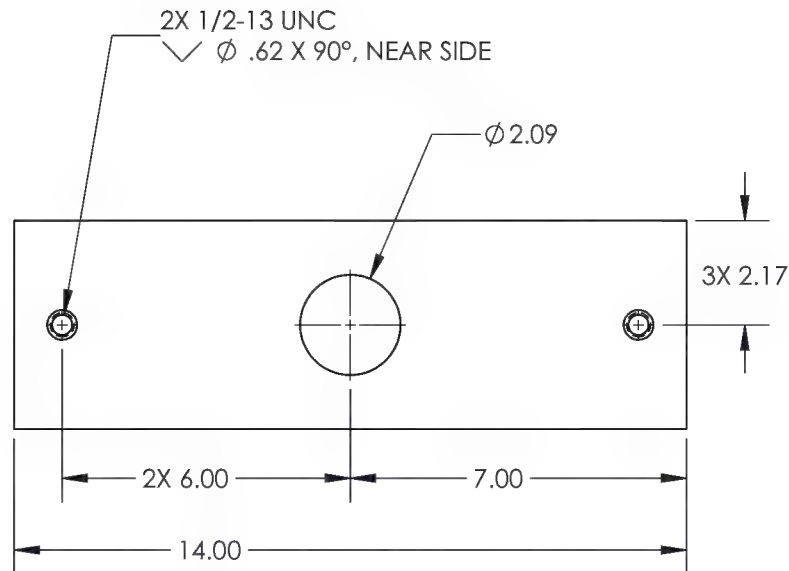
-39

TUBE

 <b>RED BARN MACHINE</b>	
TITLE <b>BLADE SUPPORT ASSY - MAIN ROTOR</b>	
DWG NO. <b>RB T102018-39</b>	REV <b>B</b>
MAT'L 1018	DRAWN BY: <b>GILBERT</b>
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	
.XXX $\pm$ .005 FRACTIONS $\pm$ 1/32	
.XX $\pm$ .01 ANGLES $\pm$ 5°	
.X $\pm$ .1	
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R	
2. DIMENSIONAL LIMITS APPLY AFTER PLATING	
APPROVED <i>D Weil</i>	
HEAT TREAT	
FINISH	
SPEC	
USED ON MODEL	
BELL	
SCALE 1:4	DATE 8/18/2011
SHEET 18 OF 39	


This drawing, specifications, and concepts contained here in are the sole property of Red Barn Machine, and may not be reproduced or used in any fashion without the prior written permission of Red Barn Machine

REVISIONS				
REV	DESCRIPTION	DATE	INITIAL	APPROVED
B	REDRAWN FROM TATTERED ORGINAL DRAWING	8/18/2011	JAG	



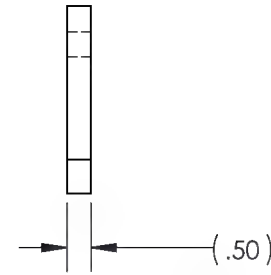
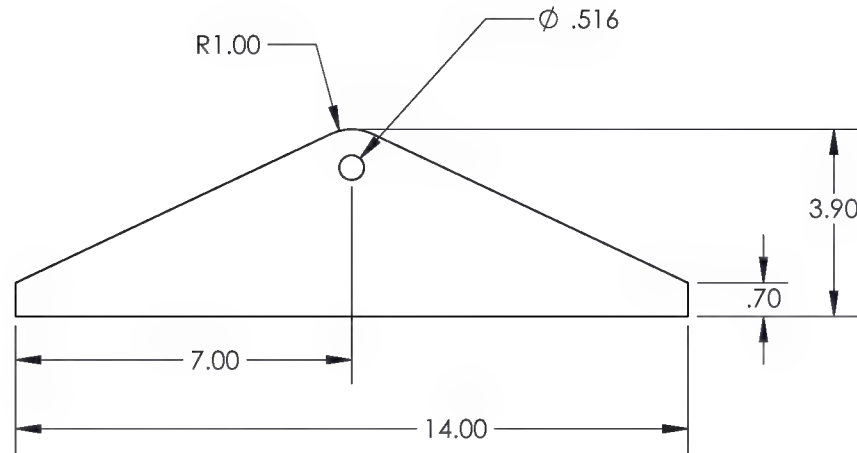
(-41)

BOTTOM PLATE

 <b>RED BARN MACHINE</b>	
<b>TITLE</b> BLADE SUPPORT ASSY - MAIN ROTOR	
<b>DWG NO.</b> RB T102018-41	<b>REV</b> <b>B</b>
<b>MAT'L</b> 1018	<b>DRAWN BY:</b> GILBERT
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES .XXX $\pm$ .005 FRACTIONS $\pm$ 1/32 .XX $\pm$ .01 ANGLES $\pm$ 5° .X $\pm$ .1	<b>APPROVED</b> <i>D Weil</i> <b>HEAT TREAT</b> <b>FINISH</b> <b>SPEC</b> USED ON MODEL BELL
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING	
<b>SCALE</b> 1:4	<b>DATE</b> 8/18/2011
SHEET 19 OF 39	

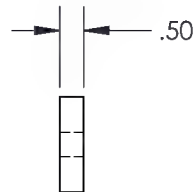
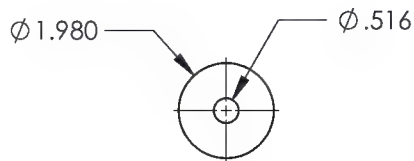
This drawing, specifications, and concepts contained here in are the sole property of Red Barn Machine, and may not be reproduced or used in any fashion without the prior written permission of Red Barn Machine

REVISIONS				
REV	DESCRIPTION	DATE	INITIAL	APPROVED
B	REDRAWN FROM TATTERED ORIGINAL DRAWING	8/18/2011	JAG	




(-43)

SIDE PLATE



(-45)

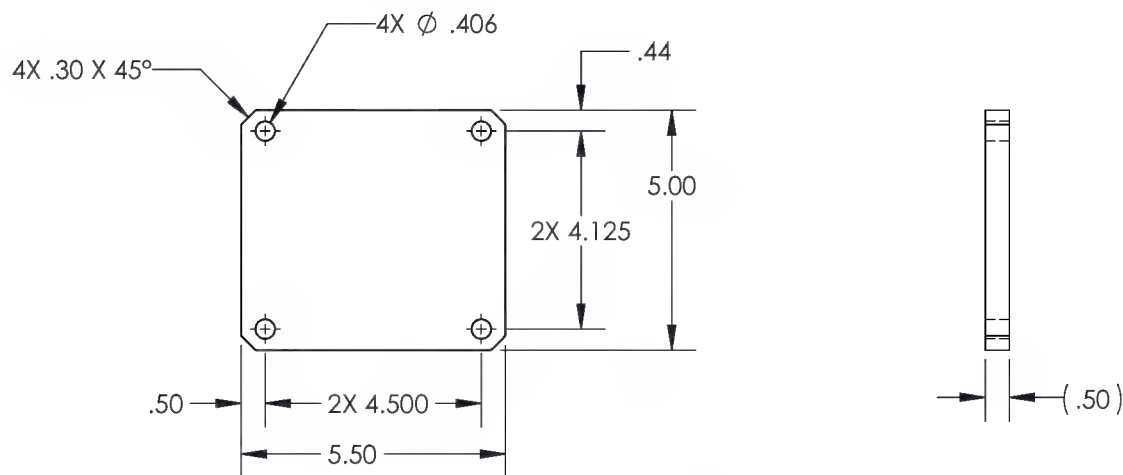
END PLATE

 <b>RED BARN MACHINE</b>	
<b>TITLE</b> BLADE SUPPORT ASSY - MAIN ROTOR	
<b>DWG NO.</b> RB T102018-43, & -45	<b>REV</b> <b>B</b>
<b>MAT'L</b> 1018	<b>DRAWN BY:</b> GILBERT
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES .XXX ± .005 FRACTIONS ± 1/32 .XX ± .01 ANGLES ± 5° .X ± .1	<b>APPROVED</b> <i>D Weil</i> <b>HEAT TREAT</b> <b>FINISH</b> <b>SPEC</b>
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING	<b>USED ON MODEL</b> <b>BELL</b>
<b>SCALE</b> 1:4	<b>DATE</b> 8/18/2011
<b>SHEET 20 OF 39</b>	



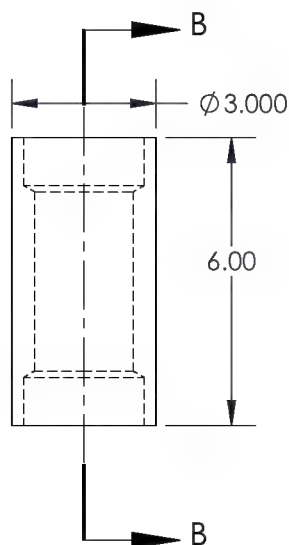
This drawing, specifications, and concepts contained here in are the sole property of Red Barn Machine, and may not be reproduced or used in any fashion without the prior written permission of Red Barn Machine.

REVISIONS				
REV	DESCRIPTION	DATE	INITIAL	APPROVED
B	REDRAWN FROM TATTERED ORIGINAL DRAWING	8/18/2011	JAG	



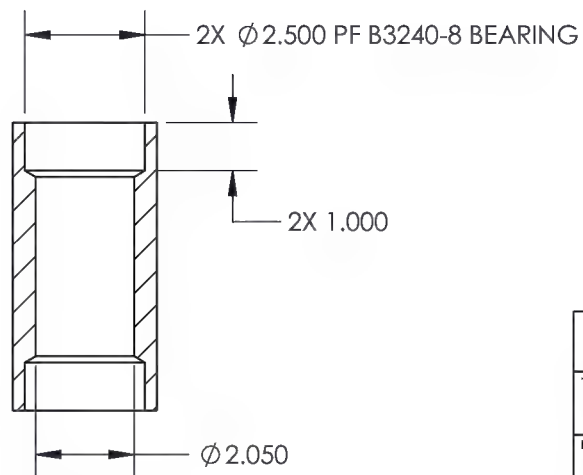
(-47)

MOUNTING PLATE



(-49)

BARREL

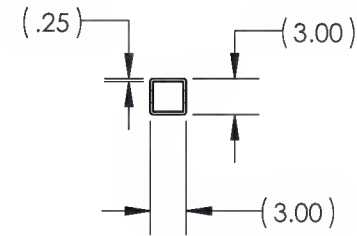
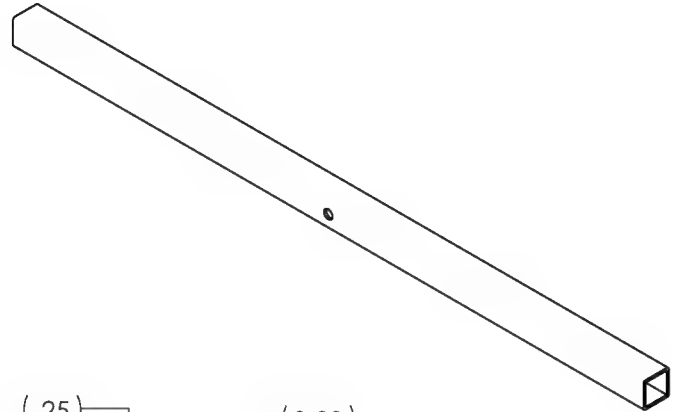
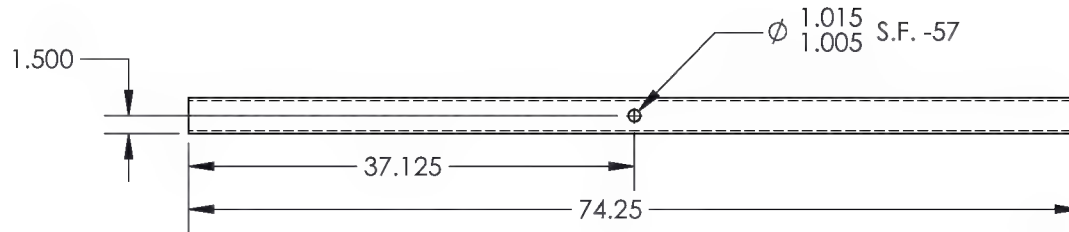


SECTION B-B


<b>RED BARN MACHINE</b>	
TITLE <b>BLADE SUPPORT ASSY - MAIN ROTOR</b>	
DWG NO. <b>RB T102018-47, &amp; -49</b>	REV <b>B</b>
MAT'L 1018	DRAWN BY: GILBERT
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES .XXX ± .005 FRACTIONS ± 1/32 .XX ± .01 ANGLES ± 5° .X ± .1	APPROVED <i>D Weil</i>
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R	HEAT TREAT
2. DIMENSIONAL LIMITS APPLY AFTER PLATING	FINISH
	SPEC
	USED ON MODEL
	BELL
SCALE 1:4	DATE 8/19/2011
SHEET 21 OF 39	

This drawing, specifications, and concepts contained here in are the sole property of Red Barn Machine, and may not be reproduced or used in any fashion without the prior written permission of Red Barn Machine

REVISIONS				
REV	DESCRIPTION	DATE	INITIAL	APPROVED
B	REDRAWN FROM TATTERED ORIGINAL DRAWING	8/18/2011	JAG	

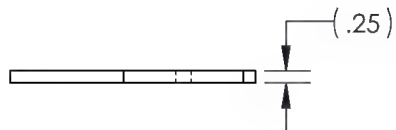
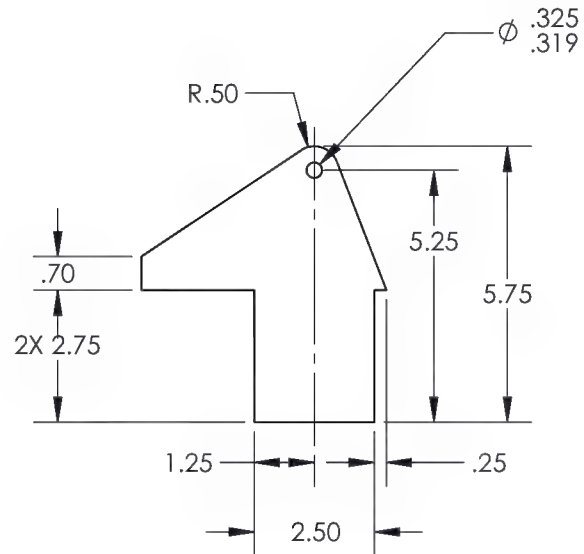


(-51)  
BEAM

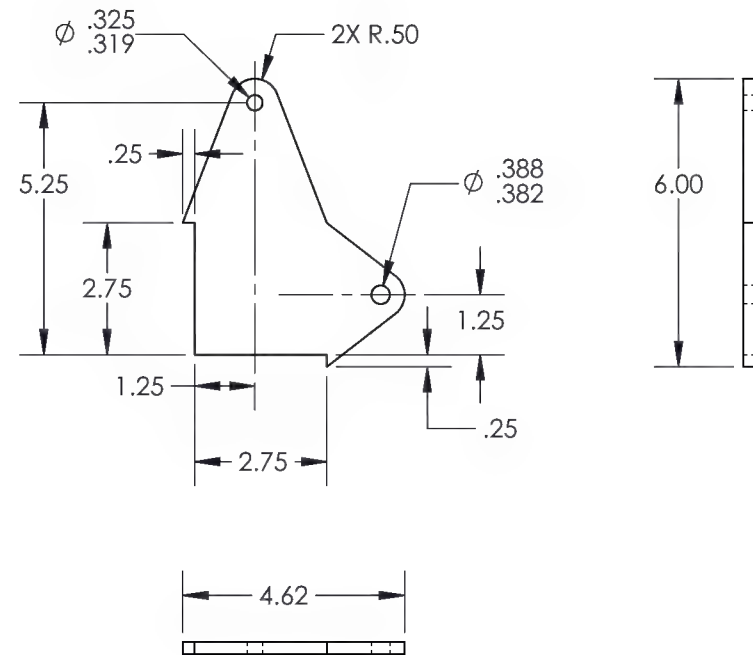
 <b>RED BARN MACHINE</b>	
<b>TITLE</b> BLADE SUPPORT ASSY - MAIN ROTOR	
<b>DWG NO.</b> RB T102018-51	<b>REV</b> B
<b>MAT'L</b> 1018	<b>DRAWN BY:</b> GILBERT
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES .XXX ± .005 FRACTIONS ± 1/32 .XX ± .01 ANGLES ± 5° .X ± .1	<b>APPROVED</b> <i>D Weil</i> <b>HEAT TREAT</b> <b>FINISH</b> <b>SPEC</b>
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING	<b>USED ON MODEL</b> BELL
<b>SCALE</b> 1:16	<b>DATE</b> 8/19/2011
SHEET 22 OF 39	

This drawing, specifications, and concepts contained here in are the sole property of Red Barn Machine, and may not be reproduced or used in any fashion without the prior written permission of Red Barn Machine

REVISIONS				
REV	DESCRIPTION	DATE	INITIAL	APPROVED
B	REDRAWN FROM TATTERED ORIGINAL DRAWING	8/18/2011	JAG	



(-53)  
END PLATE

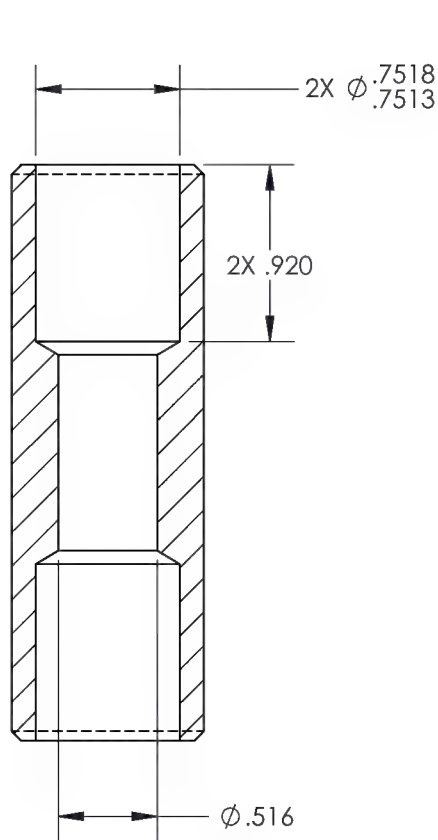


(-55)  
END PLATE

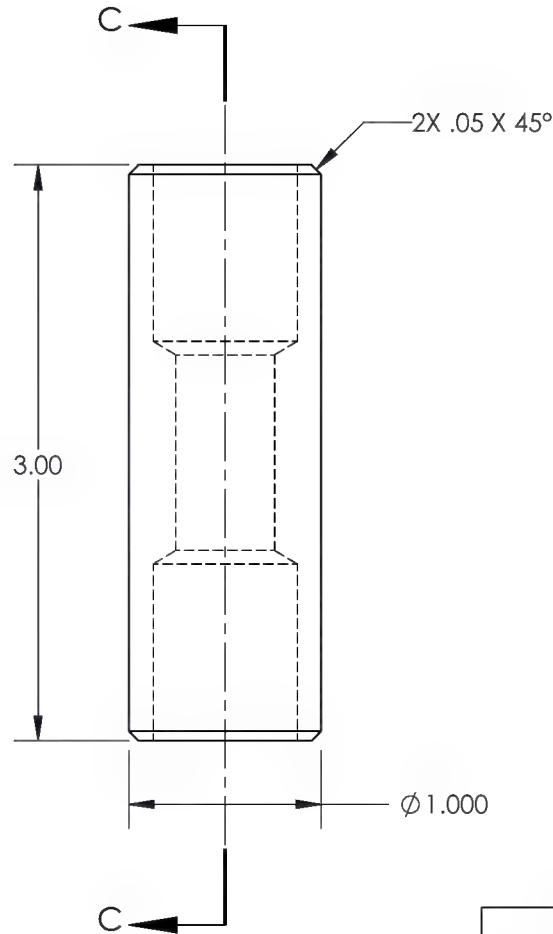
<b>RED BARN MACHINE</b>	
TITLE <b>BLADE SUPPORT ASSY - MAIN ROTOR</b>	
DWG NO. <b>RB T102018-53, &amp; -55</b>	REV <b>B</b>
MAT'L 1018	DRAWN BY: <b>GILBERT</b>
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	
.XXX ± .005 FRACTIONS ± 1/32	
.XX ± .01 ANGLES ± 5°	
.X ± .1	
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R	
2. DIMENSIONAL LIMITS APPLY AFTER PLATING	
APPROVED <i>D Weil</i>	
HEAT TREAT	
FINISH	
SPEC	
USED ON MODEL	
BELL	
SCALE 1:4	DATE 8/19/2011
SHEET 23 OF 39	

This drawing, specifications, and concepts contained here in are the sole property of Red Barn Machine, and may not be reproduced or used in any fashion without the prior written permission of Red Barn Machine

REVISIONS				
REV	DESCRIPTION	DATE	INITIAL	APPROVED
B	REDRAWN FROM TATTERED ORIGINAL DRAWING	8/18/2011	JAG	



SECTION C-C



(-57)

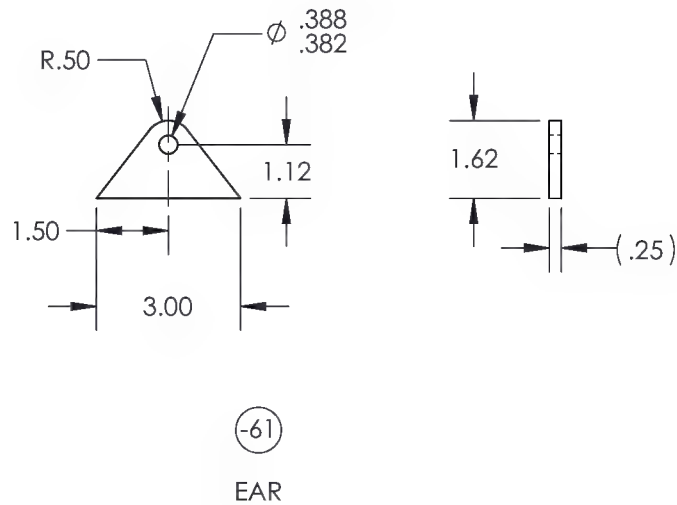
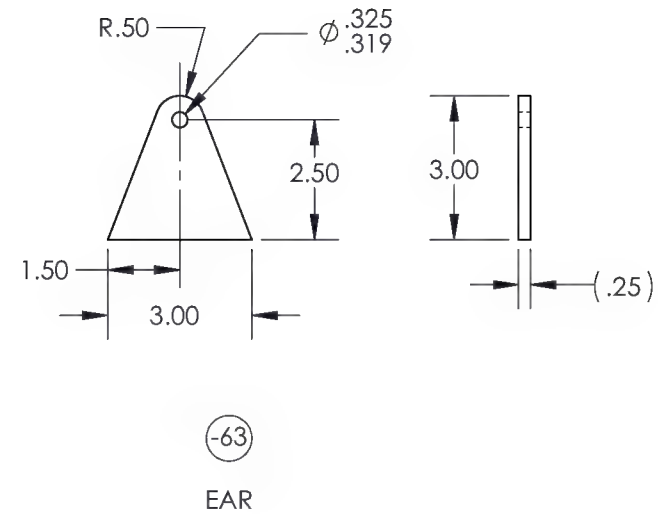
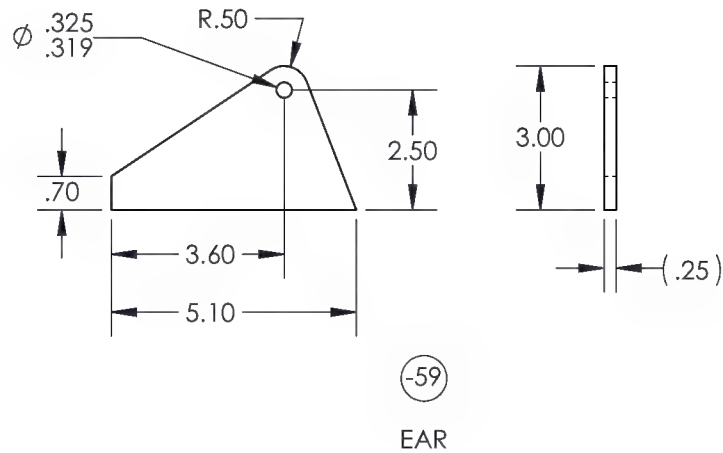
SLEEVE

<b>RED BARN MACHINE</b>	
TITLE <b>BLADE SUPPORT ASSY - MAIN ROTOR</b>	
DWG NO. <b>RB T102018-57</b>	REV <b>B</b>
MAT'L 1018	DRAWN BY: GILBERT
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	APPROVED <i>D Weil</i>
.XXX $\pm .005$	HEAT TREAT
.XX $\pm .01$	FINISH
.X $\pm .1$	SPEC
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R	USED ON MODEL
2. DIMENSIONAL LIMITS APPLY AFTER PLATING	BELL
SCALE 1:1	DATE 8/19/2011
SHEET 24 OF 39	



This drawing, specifications, and concepts contained here in are the sole property of Red Barn Machine, and may not be reproduced or used in any fashion without the prior written permission of Red Barn Machine

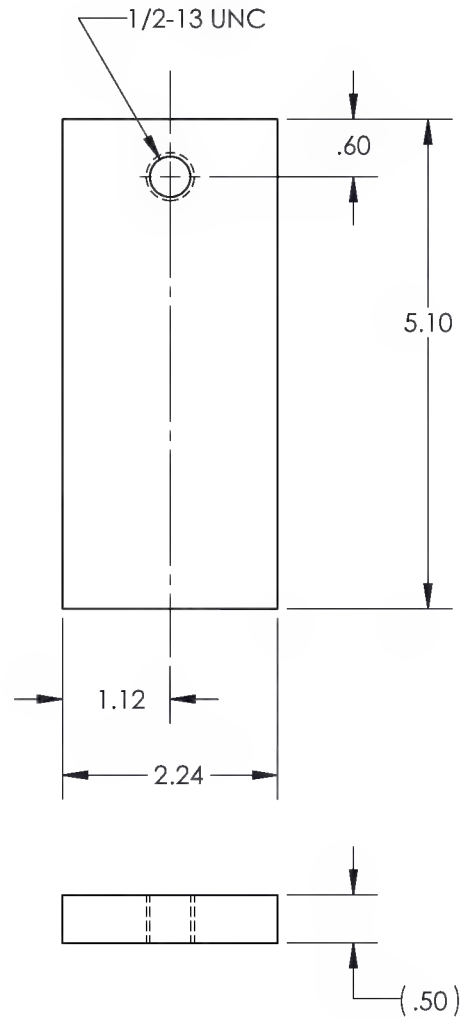
REVISIONS				
REV	DESCRIPTION	DATE	INITIAL	APPROVED
B	REDRAWN FROM TATTERED ORIGINAL DRAWING	8/18/2011	JAG	



<b>RED BARN MACHINE</b>	
TITLE <b>BLADE SUPPORT ASSY - MAIN ROTOR</b>	
DWG NO. <b>RB T102018-59, -61, &amp; -63</b>	REV <b>B</b>
MAT'L 1018	DRAWN BY: <b>GILBERT</b>
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES .XXX $\pm .005$ .XX $\pm .01$ .X $\pm .1$	APPROVED <i>D Weil</i> HEAT TREAT FINISH SPEC
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING	USED ON MODEL <b>BELL</b>
SCALE 1:4	DATE 8/19/2011
SHEET 25 OF 39	

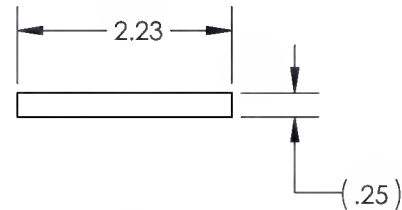
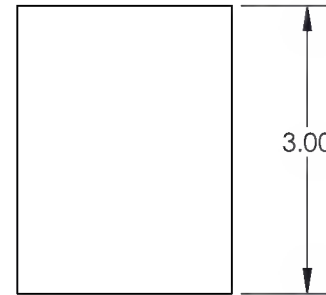
This drawing, specifications, and concepts contained here in are the sole property of Red Barn Machine, and may not be reproduced or used in any fashion without the prior written permission of Red Barn Machine

REVISIONS				
REV	DESCRIPTION	DATE	INITIAL	APPROVED
B	REDRAWN FROM TATTERED ORIGINAL DRAWING	8/18/2011	JAG	




(-65)

PLATE



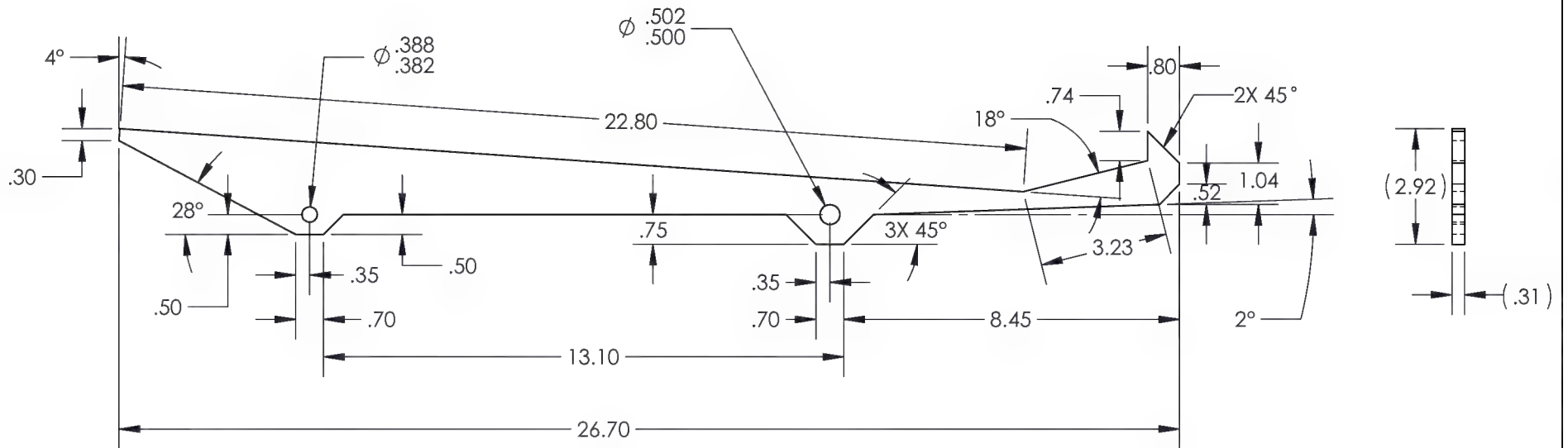
(-67)

PLATE

 <b>RED BARN MACHINE</b>	
<b>TITLE</b> BLADE SUPPORT ASSY - MAIN ROTOR	
<b>DWG NO.</b> RB T102018-65, & -67	<b>REV</b> B
<b>MAT'L</b> 1018	<b>DRAWN BY:</b> GILBERT
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES .XXX ± .005 FRACTIONS ± 1/32 .XX ± .01 ANGLES ± 5° .X ± .1	<b>APPROVED</b> <i>D Weil</i> <b>HEAT TREAT</b> <b>FINISH</b> <b>SPEC</b>
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING	<b>USED ON MODEL</b> BELL
<b>SCALE</b> 1:2	<b>DATE</b> 8/19/2011
<b>SHEET 26 OF 39</b>	



This drawing, specifications, and concepts contained here in are the sole property of Red Barn Machine, and may not be reproduced or used in any fashion without the prior written permission of Red Barn Machine.

REVISIONS				
REV	DESCRIPTION	DATE	INITIAL	APPROVED
B	REDRAWN FROM TATTERED ORIGINAL DRAWING	8/18/2011	JAG	



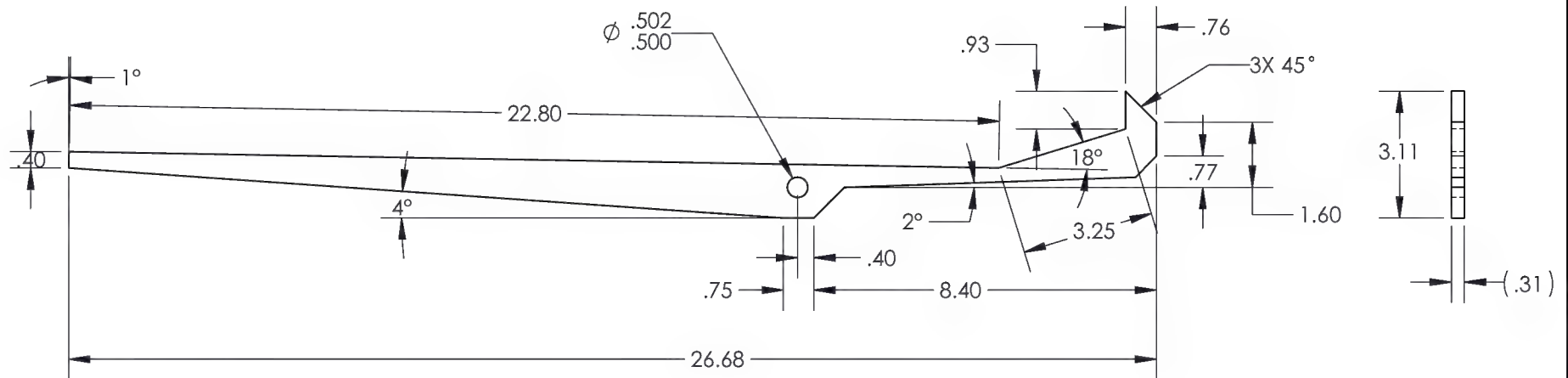
(-69)

VERTICAL PLATE

 <b>RED BARN MACHINE</b>	
<b>TITLE</b> BLADE SUPPORT ASSY - MAIN ROTOR	
<b>DWG NO.</b> RB T102018-69	<b>REV</b> <b>B</b>
<b>MAT'L</b> 1018	<b>DRAWN BY:</b> GILBERT
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES .XXX ± .005 .XX ± .01 .X ± .1 FRACTIONS ± 1/32 ANGLES ± 5°	<b>APPROVED</b>  <b>HEAT TREAT</b> <b>FINISH</b> <b>SPEC</b> USED ON MODEL BELL
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING	
<b>SCALE</b> 1:4	<b>DATE</b> 8/19/2011
SHEET 27 OF 39	


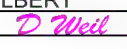
This drawing, specifications, and concepts contained here in are the sole property of Red Barn Machine, and may not be reproduced or used in any fashion without the prior written permission of Red Barn Machine

REVISIONS				
REV	DESCRIPTION	DATE	INITIAL	APPROVED
B	REDRAWN FROM TATTERED ORGINAL DRAWING	8/18/2011	JAG	



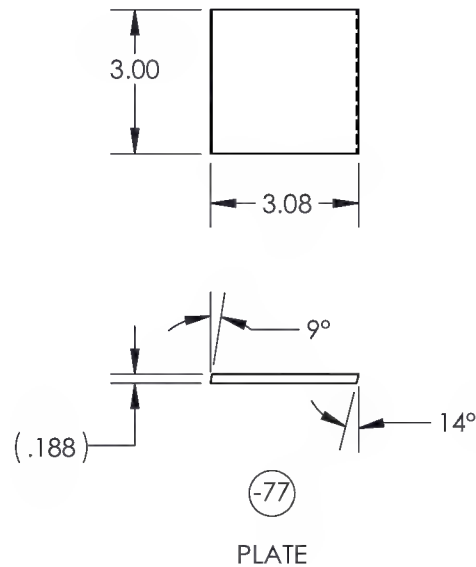
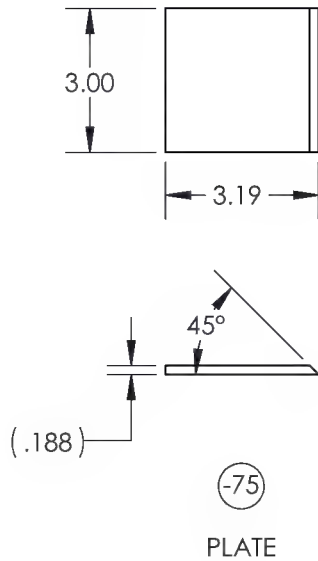
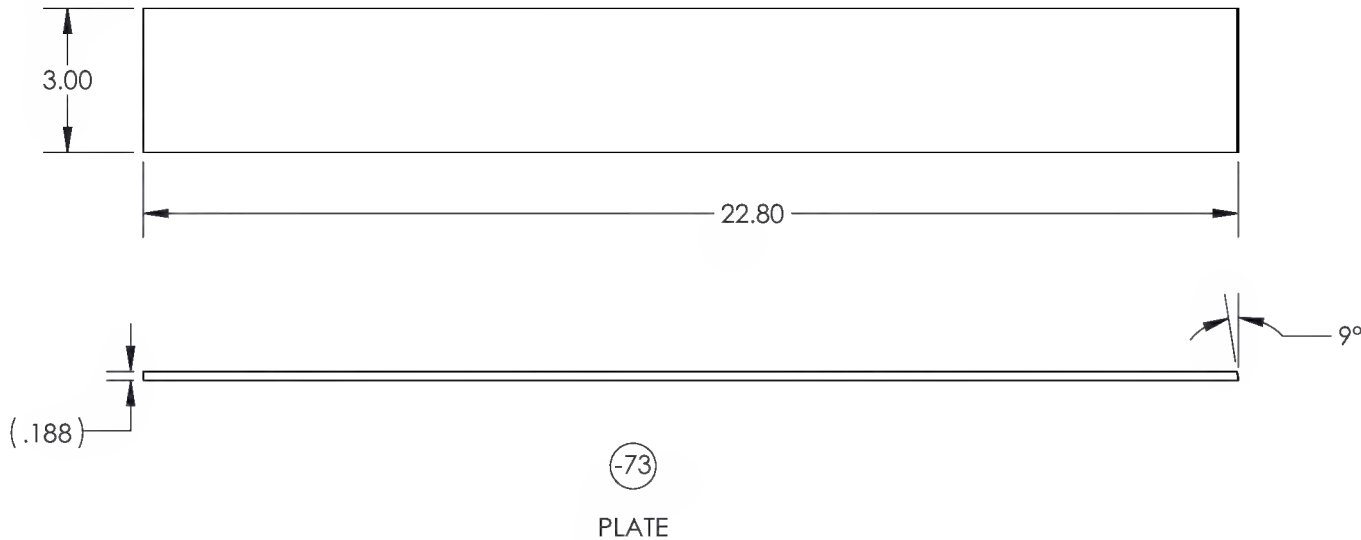
(-71)

VERTICAL PLATE

 <b>RED BARN MACHINE</b>	
<b>TITLE</b> BLADE SUPPORT ASSY - MAIN ROTOR	
<b>DWG NO.</b> RB T102018-71	<b>REV</b> <b>B</b>
<b>MAT'L</b> 1018	<b>DRAWN BY:</b> GILBERT
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES .XXX ± .005 .XX ± .01 .X ± .1 FRACTIONS ± 1/32 ANGLES ± 5°	<b>APPROVED</b>  <b>HEAT TREAT</b> <b>FINISH</b> <b>SPEC</b> USED ON MODEL BELL
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING	
<b>SCALE</b> 1:4	<b>DATE</b> 8/19/2011
SHEET 28 OF 39	

This drawing, specifications, and concepts contained here in are the sole property of Red Barn Machine, and may not be reproduced or used in any fashion without the prior written permission of Red Barn Machine

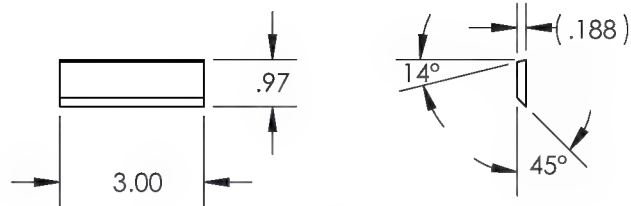
REVISIONS				
REV	DESCRIPTION	DATE	INITIAL	APPROVED
B	REDRAWN FROM TATTERED ORIGINAL DRAWING	8/18/2011	JAG	



<b>RED BARN MACHINE</b>	
TITLE <b>BLADE SUPPORT ASSY - MAIN ROTOR</b>	
DWG NO. <b>RB T102018-73, -75, &amp; -77</b>	REV <b>B</b>
MAT'L 1018	DRAWN BY: <b>GILBERT</b>
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES .XXX ± .005 FRACTIONS ± 1/32 .XX ± .01 ANGLES ± 5° .X ± .1	APPROVED <i>D Weil</i>
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R	HEAT TREAT
2. DIMENSIONAL LIMITS APPLY AFTER PLATING	FINISH
	SPEC
	USED ON MODEL
	<b>BELL</b>
SCALE 1:4	DATE 8/19/2011
	SHEET 29 OF 39

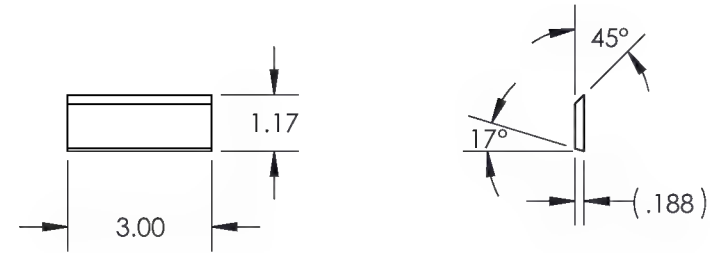
This drawing, specifications, and concepts contained here in are the sole property of Red Barn Machine, and may not be reproduced or used in any fashion without the prior written permission of Red Barn Machine

REVISIONS				
REV	DESCRIPTION	DATE	INITIAL	APPROVED
B	REDRAWN FROM TATTERED ORGINAL DRAWING	8/18/2011	JAG	



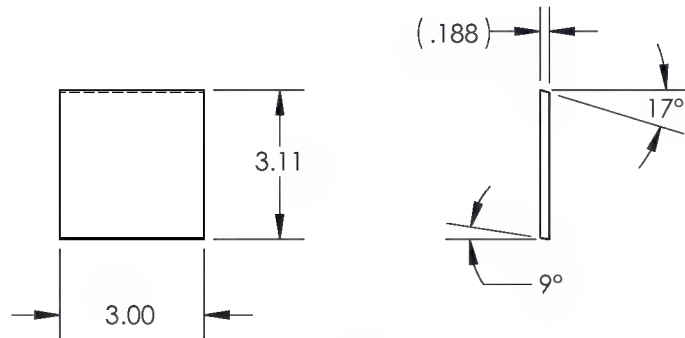
(-79)

PLATE



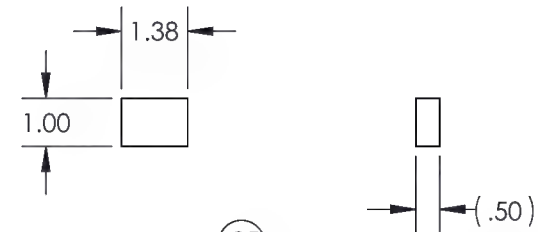
(-83)

PLATE



(-81)

PLATE



(-85)

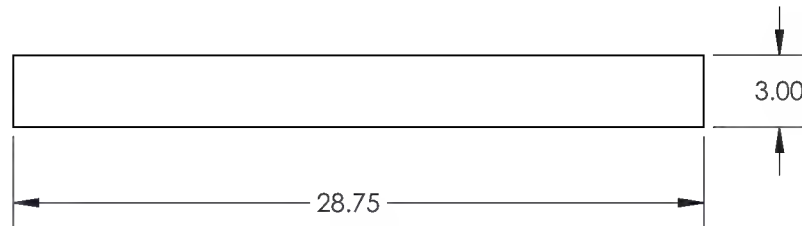
STOP

<b>RED BARN MACHINE</b>	
TITLE <b>BLADE SUPPORT ASSY - MAIN ROTOR</b>	
DWG NO. RB T102018-79, -81, -83, & -85	REV <b>B</b>
MAT'L 1018	DRAWN BY: GILBERT
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES .XXX ± .005 FRACTIONS ± 1/32 .XX ± .01 ANGLES ± 5° .X ± .1	APPROVED <i>D Weil</i>
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R	HEAT TREAT
2. DIMENSIONAL LIMITS APPLY AFTER PLATING	FINISH
	SPEC
	USED ON MODEL
	BELL
SCALE 1:4	DATE 8/19/2011
SHEET 30 OF 39	



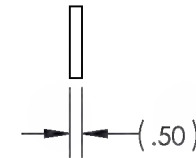
This drawing, specifications, and concepts contained here in are the sole property of Red Barn Machine, and may not be reproduced or used in any fashion without the prior written permission of Red Barn Machine

REVISIONS				
REV	DESCRIPTION	DATE	INITIAL	APPROVED
B	REDRAWN FROM TATTERED ORIGINAL DRAWING	8/18/2011	JAG	

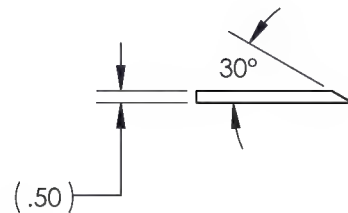
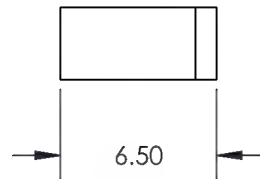


-87

PAD




NOTE: SECTION TO FIT NEST ASSEMBLYS.



-89

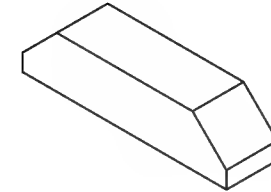
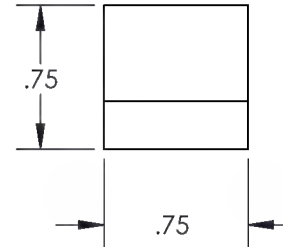
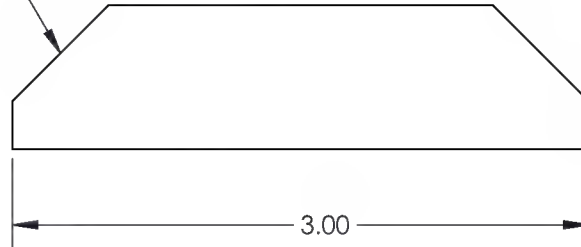
PAD

 <b>RED BARN MACHINE</b>	
<b>TITLE</b> BLADE SUPPORT ASSY - MAIN ROTOR	
<b>DWG NO.</b> RB T102018-87, & -89	<b>REV</b> B
<b>MAT'L</b> CHLORO PRENE UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES .XXX ± .005 FRACTIONS ± 1/32 .XX ± .01 ANGLES ± 5° .X ± .1	<b>DRAWN BY:</b> GILBERT <b>APPROVED</b> <i>D Weil</i> <b>HEAT TREAT</b> <b>FINISH</b> <b>SPEC</b> 1. BREAK ALL SHARP EDGES .015 x 45° OR .015R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING
<b>USED ON MODEL</b> BELL	
<b>SCALE</b> 1:8	<b>DATE</b> 8/19/2011
<b>SHEET 31 OF 39</b>	

This drawing, specifications, and concepts contained here in are the sole property of Red Barn Machine, and may not be reproduced or used in any fashion without the prior written permission of Red Barn Machine.

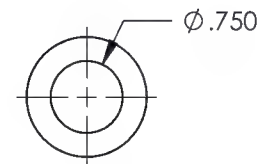
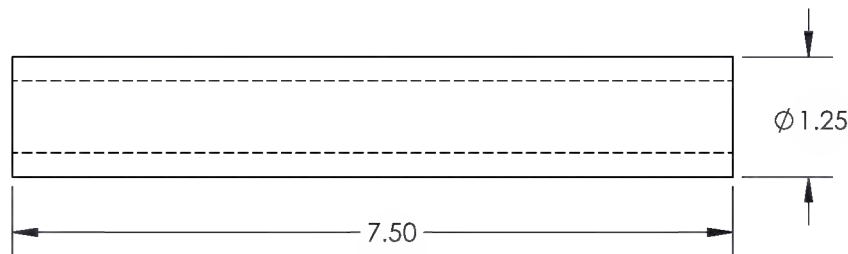
REVISIONS				
REV	DESCRIPTION	DATE	INITIAL	APPROVED
B	REDRAWN FROM TATTERED ORIGINAL DRAWING	8/18/2011	JAG	

2X .50 X 45°




(-91)

GRIP



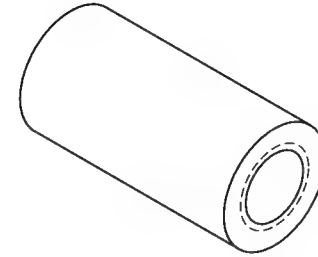
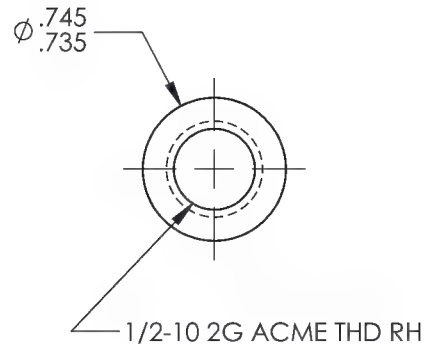
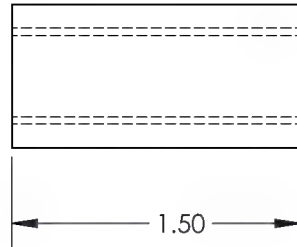
(-95)

BARREL  
SCALE 1:2

 <b>RED BARN MACHINE</b>	
<b>TITLE</b> BLADE SUPPORT ASSY - MAIN ROTOR	
<b>DWG NO.</b> RB T102018-91, & -95	<b>REV</b> B
<b>MAT'L</b> 1018	<b>DRAWN BY:</b> GILBERT
<b>UNLESS OTHERWISE SPECIFIED</b> DIMENSIONS ARE IN INCHES .XXX ± .005      FRACTIONS ± 1/32 .XX ± .01      ANGLES ± 5° .X ± .1	
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING	
<b>APPROVED</b> <i>D Weil</i> <b>HEAT TREAT</b> <b>FINISH</b> <b>SPEC</b> USED ON MODEL BELL	
<b>SCALE</b> 1:1	<b>DATE</b> 8/19/2011
<b>SHEET 32 OF 39</b>	

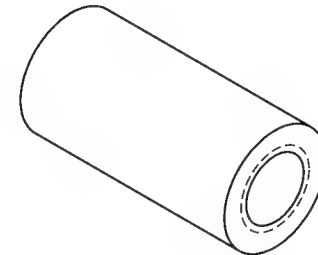
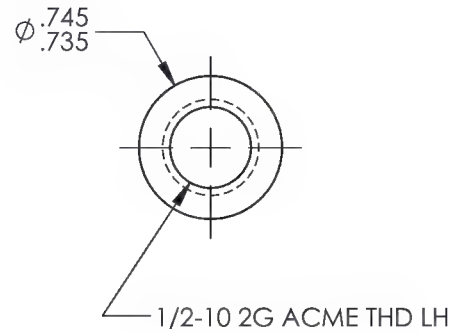
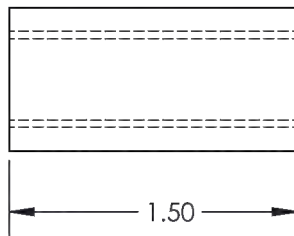
This drawing, specifications, and concepts contained here in are the sole property of Red Barn Machine, and may not be reproduced or used in any fashion without the prior written permission of Red Barn Machine.

REVISIONS				
REV	DESCRIPTION	DATE	INITIAL	APPROVED
B	REDRAWN FROM TATTERED ORIGINAL DRAWING	8/18/2011	JAG	





(-93)

BARREL NUT



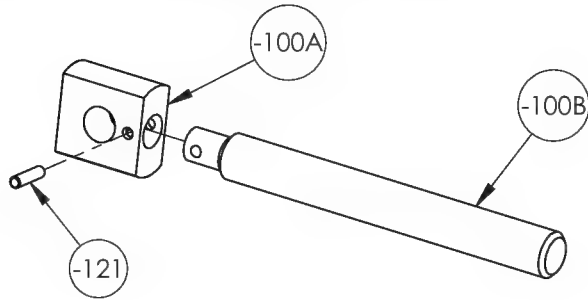
(-97)

BARREL NUT

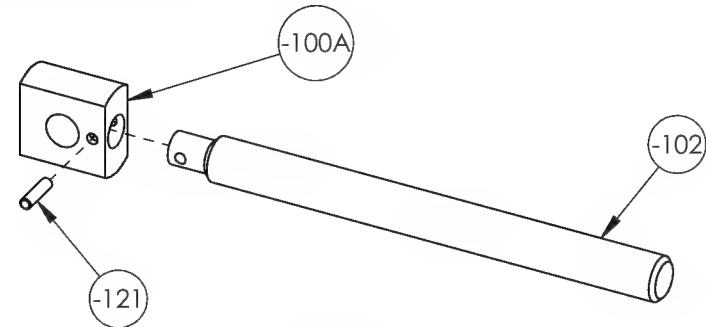
 <b>RED BARN MACHINE</b>	
<b>TITLE</b> BLADE SUPPORT ASSY - MAIN ROTOR	
<b>DWG NO.</b> RB T102018-93, & -97	<b>REV</b> B
<b>MAT'L</b> 4140	<b>DRAWN BY:</b> GILBERT
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES .XXX ± .005 FRACTIONS ± 1/32 .XX ± .01 ANGLES ± 5° .X ± .1	<b>APPROVED</b> 
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING	<b>HEAT TREAT</b> <b>FINISH</b> <b>SPEC</b> USED ON MODEL BELL
<b>SCALE</b> 1:1	<b>DATE</b> 8/19/2011
SHEET 33 OF 39	

This drawing, specifications, and concepts contained here in are the sole property of Red Barn Machine, and may not be reproduced or used in any fashion without the prior written permission of Red Barn Machine

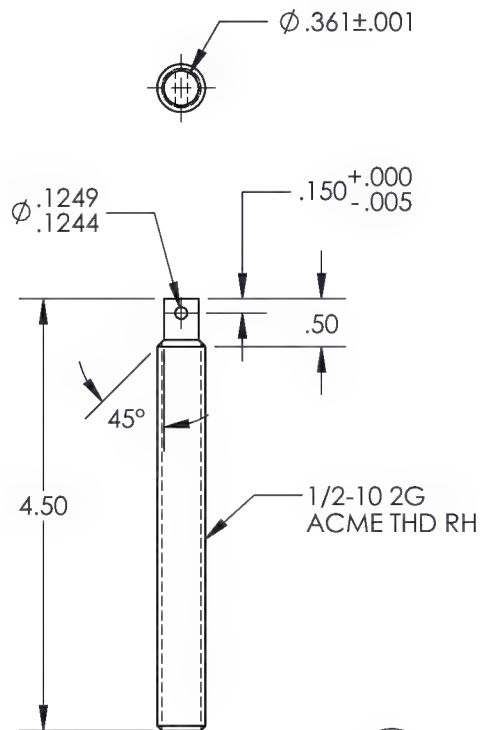
REVISIONS				
REV	DESCRIPTION	DATE	INITIAL	APPROVED
B	REDRAWN FROM TATTERED ORIGINAL DRAWING	8/18/2011	JAG	



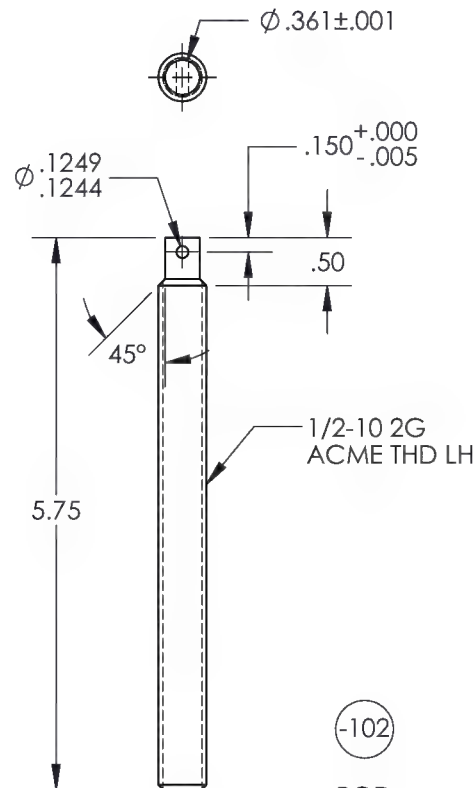
-99  
ROD ASSY



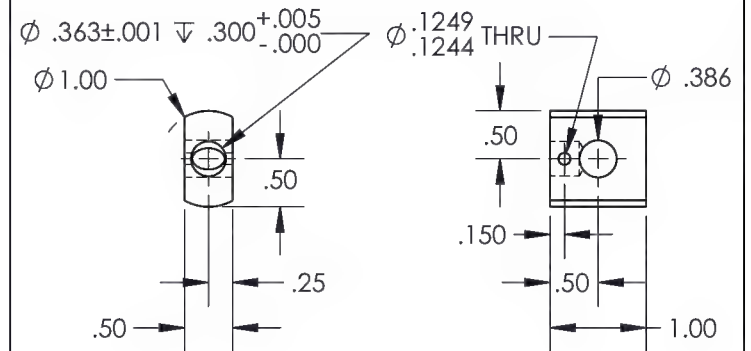
-101  
ROD ASSY



-100B  
ROD



-102  
ROD

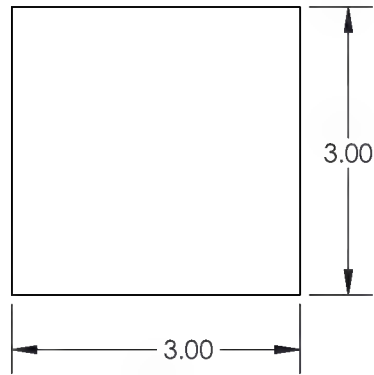


-100  
ROD END  
4140

<b>RED BARN MACHINE</b>	
TITLE <b>BLADE SUPPORT ASSY - MAIN ROTOR</b>	
DWG NO. <b>RB T102018-99 THRU -101</b>	REV <b>B</b>
MAT'L PER PART UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES .XXX ± .005 FRACTIONS ± 1/32 .XX ± .01 ANGLES ± 5° .X ± .1	DRAWN BY: <b>GILBERT</b> APPROVED: <i>D Weil</i> HEAT TREAT FINISH SPEC USED ON MODEL <b>BELL</b>
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING	
SCALE 1:2	DATE 8/19/2011
SHEET 34 OF 39	

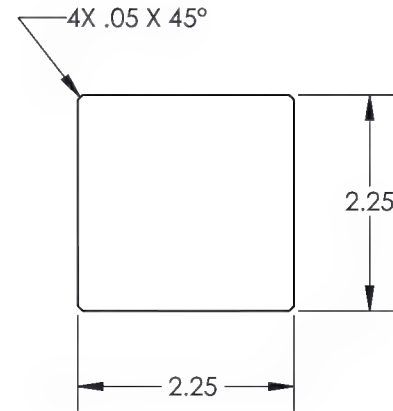
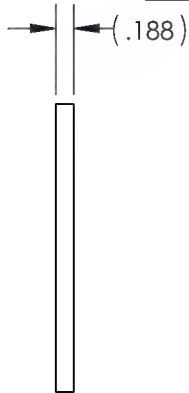
This drawing, specifications, and concepts contained here in are the sole property of Red Barn Machine, and may not be reproduced or used in any fashion without the prior written permission of Red Barn Machine

REVISIONS				
REV	DESCRIPTION	DATE	INITIAL	APPROVED
B	REDRAWN FROM TATTERED ORIGINAL DRAWING	8/18/2011	JAG	



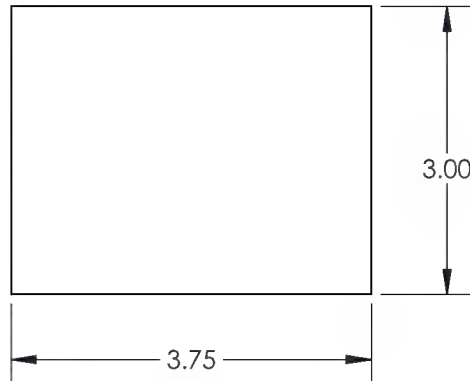
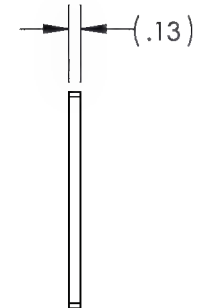
(-103)

STIFFNER



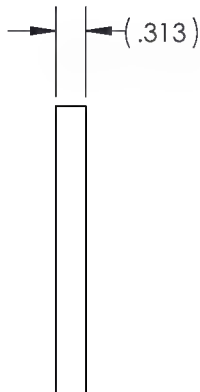
(-15A)


CAP



(-113)

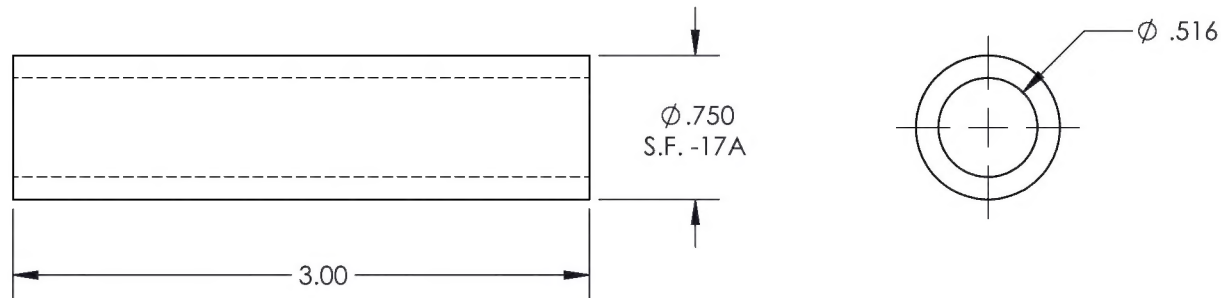
CLOSURE



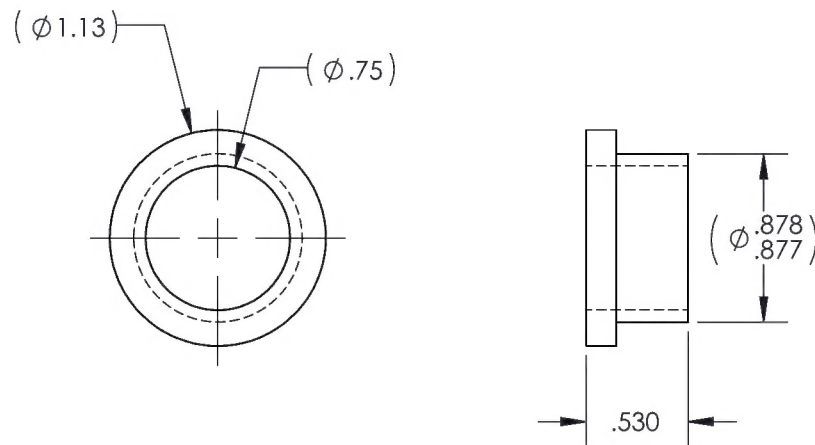
 <b>RED BARN MACHINE</b>	
TITLE <b>BLADE SUPPORT ASSY - MAIN ROTOR</b>	
DWG NO. <b>RB T102018-103, -113 &amp; -115</b>	REV <b>B</b>
MAT'L 1018	DRAWN BY: <b>GILBERT</b>
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	
.XXX ± .005      FRACTIONS ± 1/32	
.XX ± .01      ANGLES ± 5°	
.X ± .1	
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R	
2. DIMENSIONAL LIMITS APPLY AFTER PLATING	
APPROVED <i>D Weil</i>	
HEAT TREAT	
FINISH	
SPEC	
USED ON MODEL	
BELL	
SCALE 1:2	DATE 8/19/2011
SHEET 35 OF 39	

This drawing, specifications, and concepts contained here in are the sole property of Red Barn Machine, and may not be reproduced or used in any fashion without the prior written permission of Red Barn Machine.

REVISIONS				
REV	DESCRIPTION	DATE	INITIAL	APPROVED
B	REDRAWN FROM TATTERED ORGINAL DRAWING	8/18/2011	JAG	



(-105)  
SLEEVE  
1018



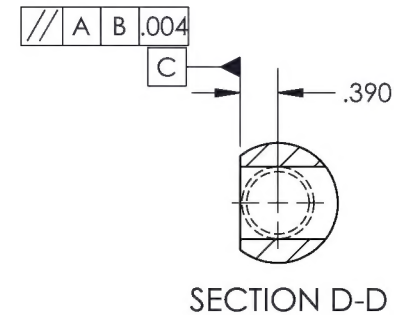
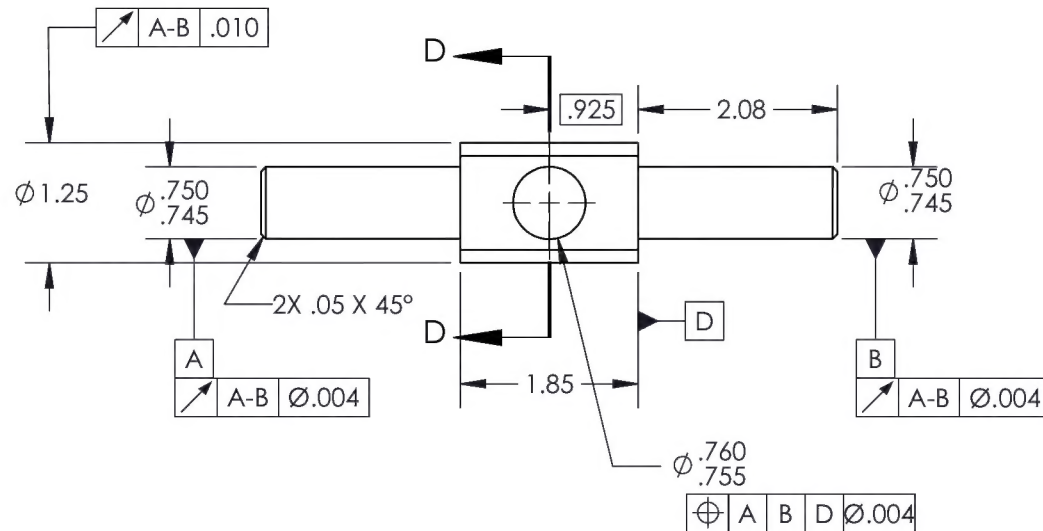
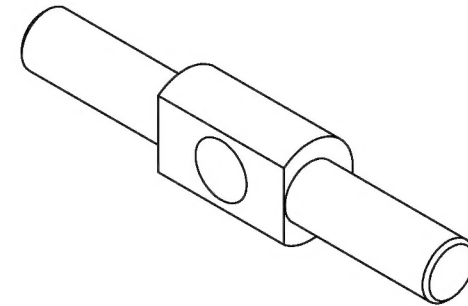
(-107)  
BEARING

<b>RED BARN MACHINE</b>	
TITLE <b>BLADE SUPPORT ASSY - MAIN ROTOR</b>	
DWG NO. <b>RB T102018-105, &amp; -107</b>	REV <b>B</b>
MAT'L PER PART UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES .XXX $\pm$ .005 FRACTIONS $\pm$ 1/32 .XX $\pm$ .01 ANGLES $\pm$ 5° .X $\pm$ .1	DRAWN BY: <b>GILBERT</b> APPROVED <i>D Weil</i> HEAT TREAT FINISH SPEC USED ON MODEL <b>BELL</b>
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING	SCALE 1:1 DATE 8/19/2011 SHEET 36 OF 39



This drawing, specifications, and concepts contained here in are the sole property of Red Barn Machine, and may not be reproduced or used in any fashion without the prior written permission of Red Barn Machine.

REVISIONS				
REV	DESCRIPTION	DATE	INITIAL	APPROVED
B	REDRAWN FROM TATTERED ORIGINAL DRAWING	8/18/2011	JAG	

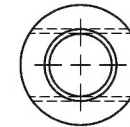
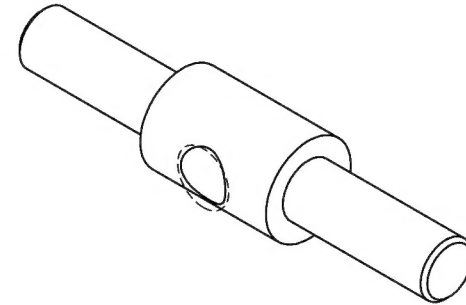
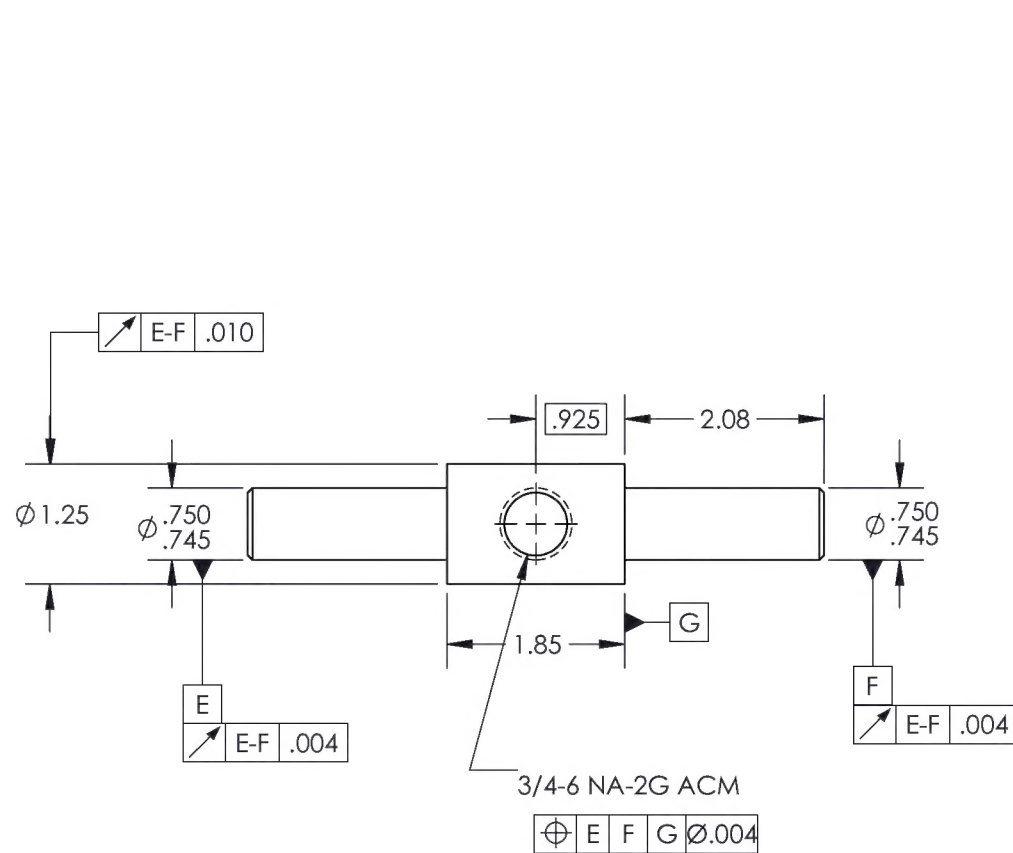


-109  
SCREW GUIDE

<b>RED BARN MACHINE</b>	
TITLE <b>BLADE SUPPORT ASSY - MAIN ROTOR</b>	
DWG NO. <b>RB T102018-109</b>	REV <b>B</b>
MAT'L 4140	DRAWN BY: <b>GILBERT</b>
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES .XXX ± .005 FRACTIONS ± 1/32 .XX ± .01 ANGLES ± 5° .X ± .1	APPROVED <i>D Weil</i>
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R	HEAT TREAT
2. DIMENSIONAL LIMITS APPLY AFTER PLATING	FINISH CAD PLATE YELLOW
	SPEC QQ-P-416F, TYPE II, CLASS II
	USED ON MODEL
	BELL
SCALE 1:2	DATE 8/23/2011
SHEET 37 OF 39	

This drawing, specifications, and concepts contained here in are the sole property of Red Barn Machine, and may not be reproduced or used in any fashion without the prior written permission of Red Barn Machine.

REVISIONS				
REV	DESCRIPTION	DATE	INITIAL	APPROVED
B	REDRAWN FROM TATTERED ORIGINAL DRAWING	8/18/2011	JAG	



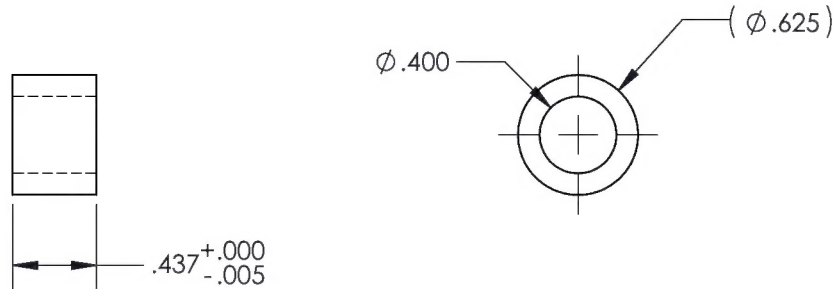
(-111)

SCREW NUT

<b>RED BARN MACHINE</b>	
TITLE <b>BLADE SUPPORT ASSY - MAIN ROTOR</b>	
DWG NO. <b>RB T102018-111</b>	REV <b>B</b>
MAT'L 1018	DRAWN BY: GILBERT
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES .XXX ± .005 FRACTIONS ± 1/32 .XX ± .01 ANGLES ± 5° .X ± .1	APPROVED <i>D Weil</i> HEAT TREAT FINISH CAD PLATE YELLOW SPEC QQ-P-416F, TYPE II, CLASS II USED ON MODEL BELL
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING	
SCALE 1:2	DATE 8/23/2011
SHEET 38 OF 39	

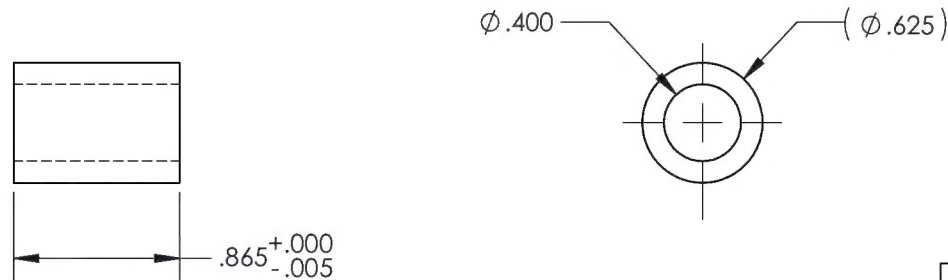
This drawing, specifications, and concepts contained here in are the sole property of Red Barn Machine, and may not be reproduced or used in any fashion without the prior written permission of Red Barn Machine.

REVISIONS				
REV	DESCRIPTION	DATE	INITIAL	APPROVED
B	REDRAWN FROM TATTERED ORIGINAL DRAWING	8/18/2011	JAG	




(-117)

BUSHING



(-119)

BUSHING

 <b>RED BARN MACHINE</b>	
<b>TITLE</b> BLADE SUPPORT ASSY - MAIN ROTOR	
<b>DWG NO.</b> RB T102018-117	<b>REV</b> <b>B</b>
<b>MAT'L</b> 1018	<b>DRAWN BY:</b> GILBERT
<b>UNLESS OTHERWISE SPECIFIED</b> DIMENSIONS ARE IN INCHES .XXX ± .005      FRACTIONS ± 1/32 .XX ± .01        ANGLES ± 5° .X ± .1	
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING	
<b>APPROVED</b> <i>D Weil</i>	
<b>HEAT TREAT</b> FINISH CAD PLATE YELLOW	
SPEC QQ-P-416F, TYPE II, CLASS II USED ON MODEL	
BELL	
<b>SCALE</b> 1:1	<b>DATE</b> 6/19/2012
SHEET 39 OF 39	